VALE

Repair Report

Eliana Aparecida Dias Murta
A participant in the professional training project - Yara Tupynambá

July to September, 2020

What we are doing for people and the environment.
Periodic statement of remedies and development actions carried out by Vale in the areas affected by the rupture of Dam I and in the evacuated territories.

Eduardo Bartolomeo
CEO

Message from the President

Since 2019, Vale has been committed to becoming a more humane and culturally diversified company. We have put an effort to establish open dialogues with the residents of the communities where we operate, with our employees and outsourced manpower, as well as with our suppliers.

We have learned a lot with the disruption of Dam I, in Córrego do Feijão. This tragedy still teaches us to value honest and transparent conversation each day. It is what we have been seeking incessantly with the victims' families, with Brumadinho's authority and other impacted territories, with governmental organs and several social entities. After all, it is through multiple views and people's perceptions and needs that we will accomplish a fair and effective compensation for all.

The short, medium and long term actions for compensation such as Comprehensive Repair Plan (CRP) and Strategies for Transformation in Brumadinho have as goal to show ways that will allow for broader economic diversification, lessening the dependency on mining and creating tools that may yield a lasting transformation. All the efforts reinforce our commitment in leaving a positive legacy in every territory where we operate.

This new way of operation and positioning has taught us a lot and it has helped us reach the cultural transformation we want. The Special Board of Directors for Compensation and Development teaches Vale, every day, how to be a better company.

Message from the Director

With safety, constant dialogue with the affected populations and the commitment in compensating the caused damage in a fair and quick way, we are moving forward with the Compensation activities. Following all protocols from health organisms and fulfilling all resolutions from the city, state and federal governments regarding the coronavirus pandemic, the employees working in the field are performing their functions safely, since emergency works and other activities can't be interrupted.

Monitoring activities for the Paraopeba Basin follow their course and have shown that the river is already signaling recovery. We also presented projects and programs that will guide us in the next years, towards the reconstruction of the future. We are committed to offer the resources necessary so the affected populations can decide the best way to go.

The Firefighting Dept has already taken up the searches and the message I leave here is the same that I've reinforced when I meet the families: we will not rest and we will continue to give our support to the Firefighters in search of your 11 jewels.

All the work we have been executing, from compensations and assistance to people to environment recovery, besides the effort for the socioeconomic development of Brumadinho and the Paraopeba basin, is almost nothing if compared to the pain these families have faced. This feeling is in every decision we make.

Marcelo Klein
Special Director of Repair and Development

What you are going to see on the next pages

Continuing the actions in the Comprehensive Repair Plan (CRP) with structuring projects for the sustainable development of the affected region.

Socioeconomic actions through the formulation of strategic solution proposals directed to the transformation and development of Brumadinho.

Results from monitoring studies of the Paraopeba River, which signals recovery, towards a condition prior to Dam 1 disruption, in the Córrego do Feijão Mine, in Brumadinho (MG), in January of 2019.

Updating of the status of social and urban infrastructure works that were established based on actively listening the communities' voice and on the partnership with the public authorities.

Our efforts to improve the life conditions of the affected people and give back normality to the evacuated communities, through respectful actions and continuous channels for hearing and answering, then contributing with the economic sustainability of the territories.

Timeline:
Monthly highlights

JULY

Works

Conclusion of the connection between the basin of Paraopeba and Velhas rivers for more flexibility in the supply of the Metropolitan Region of Belo Horizonte by Copasa.

Covid-19

Opening of a new ward at Hospital Eduardo de Menezes for the treatment of patients hit by Covid-19.

Environment

Agreement with Ibama allocates R$ 250 million of the environment fines towards conservation of seven national parks in Minas Gerais and to sanitation projects in the state.

Territories

Beginning of the construction of Tabuleiro river contention wall to avoid floods in Ouro Preto.

Territories

Approval of the design of the Plan for Compensation and Development of Antônio Pereira district.

AUGUST

Territories

Installation of the Committee Plan for Compensation and Development of Barão de Cocais.

Territories

Qualification of public consultation actions and definition of objectives regarding Health and Education in Barão de Cocais.

Territories

Beginning the public consultation in Antônio Pereira, in Ouro Preto, for the Compensation Plan.

Territories

Handing over the school "Escola Municipal Rubem Costa Lima", in Macacos.

Social

Announcement of the project for the promotion of agriculture in Brumadinho, with input up to 20 million reais in investment.

Environment

Published IGAM's report, indicating improvement in the Paraopeba river

SEPTEMBER

Works

Conclusion of the kindergarten and the Family Health Unit (USF) of Parque da Cachoeira, in Brumadinho.

Works

Declaration of positive Stability Condition to B6, in the Córrego do Feijão Mine, that returned to level 0, which is the safest level.

Territories

End of Public Consultation in Antônio Pereira totaling 711 valid respondents, most of which (around 80%) having been residents of the district for over 11 years. Processing and qualification of data collected.

Territories

Donation of 2,000 units of equipment to improve the infrastructure and the operation of Civil Defense in seven towns in Minas Gerais.

Social

Reached the mark of 8,000 people involved in signed indemnity agreements.

Social

Handing over health equipment to Brumadinho, Mário Campos and Sarzedo.

Territories

Qualification of the Public Consultation actions and definition of objectives in Infrastructure, Environment and Waterbodies, Economic Development, Culture, Tourism, Social Assistance, Sports and Public Security in Barão de Cocais.

Progress of actions until September 2020

Social and urban infrastructure works – Brumadinho
100%

Remodeling the sports court of city schools José Estevam Braga and Padre Antônio Cândido in Engenheiro Corrêa – Itabirito
100%

Building the new school Municipal Rubem Costa Lima – Macacos
100%

Remodeling the sports court "Quadra do Garcia" – Barão de Cocais
100%

Kindergarten at Cohab – Brumadinho
95%

Ground Zero – pilot project for environment recovery – Brumadinho
90%

Multi-sport Gymnasium Complex – Brumadinho
90%

Construction of Pará de Minas' water pipeline
80%

Revitalization of São Sebastião Chapel – Macacos
80%

Remodeling the city school Antônio Todelo Sobrinho – Itabirito
70%

São João River dredging – Barão de Cocais
70%

Valorizar Project – Brumadinho
60%

Installation of water filters for riverside communities and rural producers
60%

Remodeling the Center for Environmental Education (CEA) – Itabirito
60%

Remodeling APAE – Itabirito
60%

Capacitation Programs with the support of the Yara Tupynambá Institute – Brumadinho
60%

Remodeling the city schools – Brumadinho
50%

Daycare in Palhano – Brumadinho
50%

New system of water collection in Paraopeba River
40%

Contention at Tabuleiro River – Ouro Preto
35%

Incubation with the support of the Kairós project – Córrego do Feijão
30%

Service Center for Special Needs' Students in Bela Vista – Brumadinho
30%

Territory-Park – Córrego do Feijão
30%

Sewage Treatment System in Pires - Brumadinho
25%

Memorial in homage to the victims - Brumadinho
25%

Daycare construction and Family Healthcare Unit - Mário Campos
20%

Tailings removal by the Firefighting Dept
20%

Program for the Promotion of Agriculture in Brumadinho and Mário Campos
20%

Remodeling of the city cemeteries – Brumadinho
10%

Art Déco Project – Macacos
10%

Paving and signaling of the road that links Pontilhão to Alberto Flores Avenue – Brumadinho
10%

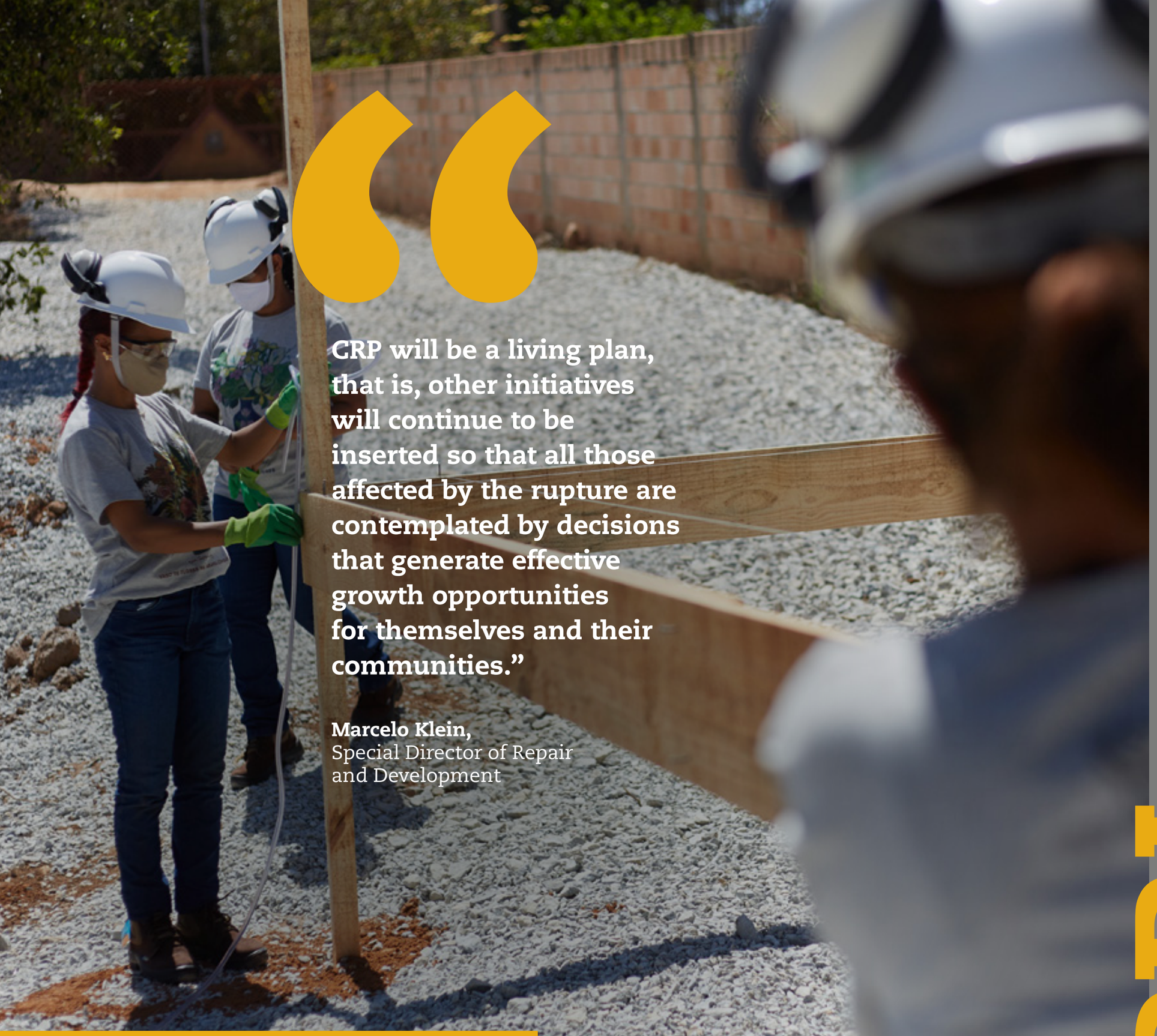
Ecological risks and damage to human health
10%

UFLA's Studies on the impact of the floods on the soil
10%

New Meridional Municipal School - Conselheiro Lafaiete
5%

Actions in progress

Actions finished



CRP will be a living plan, that is, other initiatives will continue to be inserted so that all those affected by the rupture are contemplated by decisions that generate effective growth opportunities for themselves and their communities.”

Marcelo Klein,
Special Director of Repair and Development

Students in the professional training cpurse, in Brumadinho

Comprehensive Repair Plan (CRP)

The Comprehensive Repair Plan was created for the development of Brumadinho and Paraopeba channel through independent studies from renowned professionals and institutions, experts in public management, environment recovery and preservation, human rights, mental health, and psychosocial support defense policies.

The result of all studies took in consideration actively listening in the affected territories and the participation of the public authorities.

PRI

Comprehensive Repair Plan (CRP) for the development of Brumadinho and Paraopeba channel

Since the rupture of B1 Dam, we have been committed to meeting the demands of the affected population: the residents of Brumadinho and the Paraopeba channel.

The present moment is time to project, with greater emphasis, the efforts for the future, supported by the necessary resources and instruments. The Comprehensive Repair Plan (CRP) includes actions and structural projects for the sustainable development of the impacted region, in a plan that seeks to achieve lasting transformations.

Entities Involved

- **National Institute for Science and Technology in Public Policies, Strategies and Development (INCT / PPED): socioeconomic action to resume production**
- **Arcadis International Consulting: socio-environmental repair action in Brumadinho and the Paraopeba River basin**
- **Fundação Dom Cabral: social impacts after indemnification, social participation and governance**
- **Carla Satie Consultant: Family Reference, Mental Health and Psychosocial Support Program for the affected population**

Health Care Unit and Daycare (Parque da Cachoeira)

Public Commitment

The CRP encompasses actions to guarantee the non-repetition of disasters, with the development and improvement of internal policies, as well as participation to strengthen public policies and debates about regulatory issues.

Vale has taken up the public commitment to implement the actions provided for in the legal agreements with the Public Ministry of Minas Gerais; the Federal Public Ministry; the Union; Minas Gerais state government; the impacted municipalities; other Brazilian authorities and government organizations as well as private institutions representing the communities and the society as a whole, with the purpose of repairing and compensating for the impacts caused by the rupture.

Paraobepa River

Know the theoretic basis that supports the CRP which can be seen, in practice, from the performance of all the Reparation presented in the chapters of this Remedial Plan.

Socioecnomics

Guarantee of human rights, humanitarian assistance, access to health and indemnifications.

Infrastructure for education, educational programs, and funding.

Basic healthcare improvement, training of professionals and prevention.

Programs that promote the economic recovery of the affected regions, with a focus on training for work, job creation, income generation and incentive for the tourism.

Emergency water supply and promotion of agricultural activities.

Land regularization for realization works and indemnifications.

Building relationship and engagement with the affected communities.

Promotion of activities focused on well-being and development, guided by the principle of sustainability.

Promotion of cultural tourism.

Program for support and assistance in the application of funds received and productive recovery.

Social

Humanitarian assistance, access to health and compensation.

Infrastructure for education, educational programs, and funding.

Basic healthcare improvement, training of professionals and prevention.

Building relationship and engagement with the affected communities.

Program for support and assistance in the application of funds received and productive recovery.

Psychososial support to the affected families (Family Reference Program).

Workshop for basic healthcare improvement – Programa Ciclo Saúde

Collection of fish roes

Environment

Preservation of affected biomes with a focus on fauna and flora protection, monitoring, environmental management, repair and conservation.

Containment, removal, and management of tailings resulting from the rupture, monitoring, environmental management, repair and environmental conservation.

Support to the operation in the structure decommissioning process at Córrego do Feijão Mine.

Institutional Infrastructure and Management

Diverse interventions to improve urban conditions.

Investment in public and road infrastructure, sanitation, and water security works.

Strengthening the ties of belonging and identity in the affected communities.

Asphalting, in Tejuco.

We understand how relevant it is to establish partnerships with other tourism businesses here in the region, so we can support ourselves on income generation for all the elements on the tourism chain. It is impressive how simple tips turn out to be of great value.”

Reinaldo Mendes,
Partner and chef at Bistrô Casa do Rei, in São Joaquim de Bicas. The microbusiness is part of the 50 enterprises associated to tourism which are receiving consultancy from the project Strengthening Competition in the Private Sector of Tourism.

Socioeconomics

Socioeconomic actions seek Brumadinho’s productive retake

Prepared by the National Institute for Science and Technology in Public Policies, Strategies and Development (INCT) in Public Policies and Territorial Development (INPuT), the “Strategy for Brumadinho’s Transformation” is one of the external studies substantiating the Comprehensive Repair Plan. It shows paths that will allow for a greater economic diversification in the town, besides reducing its dependency on the mining industry, seeking to leave a legacy for the sustainable development of the town.

On the Strategy for Brumadinho's Transformation

From October, 2019 and March, 2020, studies about Brumadinho's finance and economy analysis were developed as well as its social representation cartography, based on the community's perceptions and demands since the rupture of the dam. These studies permitted the elaboration of a Situational Diagnosis, which worked as background for the formulation of strategic solutions proposals directed to the transformation and the development of Brumadinho.

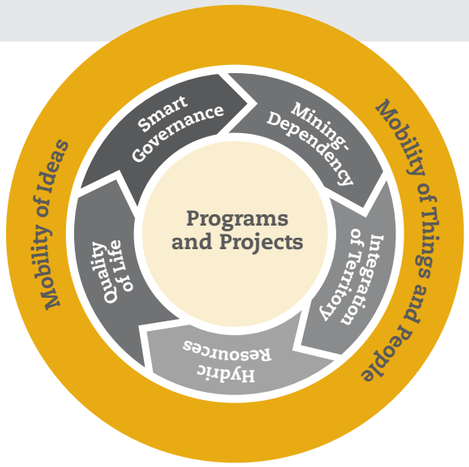
The document lists programs and projects in 5 areas: social, economic, environmental, urbanistic, territorial and institutional intelligence. The actions go from actions of urbanistic requalification of public spaces, education, monitoring the population's health and development of economic activities to investments in urban drainage, sewer collection and treatment and drinking water in the town.

They are 2 structural programs and 5 action fronts, or macro strategies, that involve other 32 programs. Each one of these 34 programs responds to fragilities and strengths identified in the situational diagnosis, proposing possible solutions to generate local improvement and socioeconomic development.

The **Program for Mobility of Things and People**

aims at implementing a municipal road system adequate to the transformation strategy for each part of Brumadinho's territory, promoting municipal integration in the light of a current territorial fragmentation scenario.

The **Mobility of Ideas – Brumadinho Digital Program** will connect ideas and information, permitting the requalification of the city's technical settings and technology about the use and sharing of data, in order to contribute with regional integration.



> **It is necessary to rebuild, to remedy and to transform territories in search for a long-lived and positive legacy in the social and economic areas. They are actions of short, medium and long term. Our work must extend itself over the next five years and, in case of deeper changes, the duration period may be even longer."**
>
> **Gleuza Jesué, Executive Remedial Manager**

Macro strategies:

1) Living with mining-dependency and transition to a new economy

Seeks alternatives to diminish the mining-dependency based on the need of building a transition process for local economy, given the perspective of reduction/ending the mining activities. It is aimed at stimulating and restructuring local productive chains that show development potential and, at the same time, education actions that are understood as essential to the transition process.

Support to organization and qualification of the primary production

One example from this action is the Agriculture Development Program, launched in August, which aims to develop rural activity, especially the family-based one, in Brumadinho and Mário Campos.

20% Status: in progress

Vale Q&A

How is Vale going to support local farmers if everything is contaminated by the tailings?

Most of the rural properties in Brumadinho are out of the affected area. The tailings reached less than 1% of the total area of the town. All farmers are still producing good quality food, especially those who are family-based. The Agriculture Development Program, besides providing training, will help them reinforce food safety of their products. Everybody will be trained to increase productivity and to implement agricultural traceability, so the customer can identify food origin, such as property, farmer/producer and details about the product.

(Question sent through Instagram)

Ivan Fernandes, at Grota do Paiol Farm, is one of the rural producers of Brumadinho served by the Agriculture Development Program

Media release

O TEMPO

Vale cria projeto para fomentar agricultura em Brumadinho

Vale creates project to develop agriculture in Brumadinho

Over 50 producers have already been assisted by the Agriculture Development Program, being technically assisted, having support for increasing phytosanitary quality of the food e for access to credit and diversified markets.

Entities Involved

- **Seapa**
- **Brumadinho and Mário Campos City Halls**
- **Emater**
- **IMA**
- **ASPRUB**
- **Farmers and Traditional Communities' Association**
- **Sanitary Surveillance**

Tourism Qualification and Development

Another initiative is the Sustainable Tourism Qualification and Development Plan, which may bring job and income expansion for about 2,000 employees in this industry, besides strengthening the identity and memory and promoting environment preservation. In one of the actions of the Program, about 50 entrepreneurs linked to tourism are being given consultancy from the Strengthening Competitivity in Private Sector Tourism project, arranged by Circuito Veredas.

Media Release

DIÁRIO DO COMÉRCIO

Consultoria ajuda MPEs da região de Brumadinho

As latas de leite condensado que seriam descartadas após a produção de brigadeiros servem como embalagem para os brownies. Este é um dos diferenciais do Hora do Doce, microngócio sediado em Juatuba, que faz parte dos 50 empreendimentos associados ao turismo que estão recebendo consultoria do projeto Fortalecimento da Competitividade do Setor Privado de Turismo.

Entities Involved

- **Tourism Association of Brumadinho and Region (ATBR)**
- **Department for the Culture and Tourism of Brumadinho**
- **Circuito Veredas**

Reinaldo, partner and chef at Bistrô Casa do Rei, in São Joaquim de Bicas

2) Quality of life and facing social vulnerability

Part of the idea of social innovation as a means to face problems.

The objective is creating and sharing value by adopting cooperation as strategy to solve social issues in a lasting way. It is characterized for agglutinating and empowering small and local efforts, which effects added make significant difference in relation to the situation approached.

Community Strengthening

The Program Valorizar Brumadinho is one example that strengthens the local social organizations, developing and encouraging initiatives that transform the reality of the communities. In 2020, 52 social organizations are participating. The program brought the differential of including training, such as preparation of social projects and tools to collect public and private funds.

50% Status: in progress

Elisa Milanez

We want, now, to seek funds so that one day Associação Pastorinhas, which currently lives based on family-based agriculture, can walk with its own legs. Nature preservation and professional qualification are ways to generate income and more quality of life to the community."

Elisa Milanez, Associação Pastorinhas' manager, a social organ led by women, that connects income generation to environment preservation.

Priscila Rafaela França Pereira Saraiva

Another example is the professional training project designed and conducted by the Yara Tupynambá Institute. Since November last year, residents of Córrego do Feijão and Parque da Cachoeira have participated in gardening classes and professional training in civil construction. The project is aimed at increasing local employability and meeting the qualification needs required by the professional market.

In addition to training residents, the initiative intends for them to carry out reforms in up to two houses, which will even receive gardens. The referral to which properties will be reformed is up to the students themselves.

60% Status: in progress

I used to work as a bricklayer helper with my father and my brother and I see opportunities as tools for growth. I will do reforms myself in the house where I live and in my mother's house, followed up by an instructor. At the same time I put my hands at work, I have the opportunity to reform my home."

Priscila Rafaela França Pereira Saraiva, Civil Construction student at Yara Tupynambá Institute

3) Spatial planning and integration of the territory

There are initiatives planned to manage the integration of the territory, at the same time they seek to requalify the spaces, so they may perform their role within the scope of implementation of the strategy. An example of this front is the Program for Urbanistic Requalification of Public Spaces, which is in its planning stage.

With the implementation of the projects in this program, the intention is to reform more than 40 public spaces, such as squares, streets, avenues and leisure spaces, spread along 17 locations in the territory of Brumadinho.

Such actions will contribute to improve the quality of life and social life, to strengthen tourism, among other economic activities.

Aerial photo of Brumadinho

4) Smart territory governance and social innovation

It discusses everything, from the process of building and implementing governance arrangements to projects to strengthen local actors, including public authorities and the various forms of social organization.

5) Management of water resources and water for all

It involves programs that seek to associate the recovery of local water resources, whether superficial or underground, with actions of economic transition and integration of the municipal territory. Two of the most important projects in this front deal with the restoration and environmental sanitation of the sub-basins of Paraopeba River and program for solid waste management.

Installation of water filters for riverside communities and local producers

We continue installing high performance filters to treat water from wells, serving approximately 10,000 people in the 22 municipalities directly impacted by the rupture.

High performance filters for water treatment

Media Release:

ESTADO DE MINAS

Água ainda é desafio em Brumadinho, que terá parque em área devastada

Quase 11 meses após desastre, chegada de lama ao Rio Paraopeba foi interrompida, mas segurança do abastecimento demanda estudos. Vale anuncia parque em área devastada

Water is still a challenge in Brumadinho, which will have a park in a devastated area

Territory-Park

The Córrego do Feijão Territory-Park project is an example of the integration between the different macro-strategies of the Transformation of Brumadinho Strategy. It is a project built jointly with residents, encompassing an urban requalification of Córrego do Feijão that enables economic reactivation and the development of sustainable tourism in the community.

The works foreseen for the central area of Córrego do Feijão started with mandatory soil probing and archaeological studies. This area will be composed by a new square, a Culture and Crafts Center, a community market and a school kitchen.

Probing activity in the central area of Córrego do Feijão

30% Status: in progress

VALE Q&A

Will the execution of this project decrease the indemnity amounts paid by Vale?

The implementation of the Territory-Park urban redevelopment project does not damage nor impact the values negotiated individually.

Indemnification continues

During the pandemic, the free assistance for indemnity agreements continues to be provided through videoconferences, if the victims feel comfortable and their lawyer participates. To date, 3,575 civil and labor agreements have been signed, involving over 8,000 people. We have continued with the purpose that indemnifications are made in a comprehensive, fair and fast manner.

Emergency payments inquiry

In August, Vale launched an online consultation system for beneficiaries of the TAP Brumadinho emergency payments at **www.valepagamentosemergenciais.com**. In those territories, about 106,000 people currently receive payment.

Access screen for consulting emergency payments

Choosing your own future

The routine of the affected families was changed due to the new economic and socio-environmental conditions established after the rupture of Dam I. With the purpose of planning the future, according to their wishes and choices, the Program for Comprehensive Assistance of People Affected (PAIA) offers support on financial education, real estate assisted purchase, production resumption, and psychosocial support. The initiative has already had over 2,600 people voluntarily join who belong to more than 1,500 households in Brumadinho, Paraopeba channel and evacuated territories.

Health and wellness

Through the Ciclo Saúde Program, we developed actions in conjunction with the municipal departments, joining forces to bring more health and well-being to residents of the affected territories. The program has already trained 430 professionals in the area, who work in the Family Health Strategy (ESF) teams, in the themes of health care, prevention and promotion of health. 32 face-to-face and remote workshops were held in the cities of Brumadinho, Sarzedo and Mário Campos.

As a whole, 47 Basic Health Units (UBS) received 2,001 equipment items, including tablets, PCs and furniture, in addition to healthcare items, such as stretchers, thermometers, nebulizers, otoscopes and dental ultrasound. In August, the program was extended to 8 municipalities: Itabirito, Barão de Cocais, Nova Lima (São Sebastião das Águas Claras), São Joaquim de Bicas, Paraopeba, Pará de Minas, Pompéu and Inhaúma.

Understand the work developed by Ciclo Saúde in the Basic Healthcare Network of the affected territories:

- Provision of medical instruments and furniture to improve diagnosis and clinical practice.
- Training of healthcare professionals in topics on health care, prevention and promotion of health.
- Actions for health education and citizenship, seeking to sensitize residents about their rights to quality public healthcare.
- Technical support to managers of the municipal healthcare departments, to support improvements in the services provided.
- Project Young Builders in Health implemented in some municipalities, with the training of young people to become healthcare promoters, carrying out actions that bring well-being to communities' residents.

Ciclo Saúde - Mário Campos

Ciclo Saúde - Sarzedo

Camila Dornas Pinto - Ciclo Saúde - Brumadinho

Entities Involved

- **Municipal Health Secretariats of Brumadinho, Sarzedo and Mário Campos**

"With the materials and equipment donated by Vale, we can provide better quality service to the population. This motivates us."

Camila Dornas Pinto,
nurse at UBS Progresso, in Brumadinho

“The Paraopeba River continues to respond to stimuli and to all work we have been doing.”

Vitor Pimenta,
Physical Environment Manager

Environment

What have we been doing to recover the Paraopeba River?

The recovery of the Paraopeba River and its biodiversity is one of the most important principles of our work. For that purpose, short, medium- and long-term measures are being carried out. We implemented a set of actions that, in 2019, prevented the transport of more sediments to the river and contained the tailings. Once tailings were contained and their arrival at the river was prevented, we installed two Water Treatment Plants (ETAFs) that, up to July 2020, returned over 17 billion liters of water to the river – in average five times cleaner than the minimum limit established by Conama.

What the IGAM says (Mineiro Institute of Water Management)?

According to the latest "Information Bulletin to Citizens" by IGAM, which monitors the quality of surface water and sediment in the Paraopeba River, the results of the last measurement (July 9th to July 16th, 2020) showed, in comparison to the previous month, a reduction in the concentrations of turbidity, dissolved aluminum, total manganese and dissolved iron at most of the points analyzed and mainly from section 2, between Betim and Esmeraldas.

Although section 1, from Brumadinho to São Joaquim de Bicas, remains the most impacted section, it was found that the results from July indicate a uniformity in sections 1 to 3 given there was little variation in the results for each parameter. It was also found that the concentrations of such parameters suffered a significant decrease, especially for turbidity, which didn't show non-conforming values in relation to the legal limits.

Such results were already expected due to the drought period and, by consequence, the interruption of the intense rains of the rainy season; and a decreased waterflow.

It is noteworthy that in July, non-conformity parameters for total lead, total mercury, total arsenic, total nickel, dissolved copper, total chromium and cadmium were not identified.

SOURCE: http://www.feam.br/images/stories/2020/RECUPERACAO_AMBIENTAL_PARAOPEBA/Boletim_do_Cidadao_N%C2%BA_14_julho_2020.pdf

And what does FIEMG say?

According to a study commissioned by the Federation of Industries of the State of Minas Gerais (FIEMG) to IB Consultoria e Gestão Ambiental company, after a year since the rupture, it is possible to state that there is no toxic contamination in the waters of the Três Marias Dam (section 5) caused by the tailings from the rupture of Córrego Feijão Mine, in Brumadinho. The objective of the research, which used official data, was to check which agents are contributing to the presence of those metals throughout the basin.

SOURCE: https://www.fiemg.com.br/Noticias/Detalhe/metais-ja-existiam-na-bacia-do-rio-paraopeba-aponta-estudo-1

VALE Q&A

Is it already possible to use water from the Paraopeba River for irrigation and animal feed?

In some parts, yes, it is; in others, still not. According to the Minas Gerais' Institute for Water Management (IGAM), the recommendation still keeps being suspending the use of raw water from the Paraopeba River in the section that covers the municipalities of Brumadinho to the limit of the Retiro Baixo Hydroelectric Plant (HPP), in Pompéu. Outside this section, use is allowed.

The use of water for various purposes is also allowed in the sections before the municipality of Brumadinho (before the section impacted by the rupture) and after the Retiro Baixo HPP.

Water Distribution

Drinking water

The distribution of drinking water to the population that depends on the Paraopeba River is a continuous work started in January 2019 and will remain until water collection is allowed. This delivery takes place in 16 municipalities bordering the river, between Brumadinho and Pompéu, and follows important principles to ensure the quality of the resource.

Water tankers only bring to homes and rural properties water that has been treated by Copasa. At each delivery, the chlorine content is analyzed – all remaining parameters are assessed by sampling. Once a month, the vehicles are cleaned and inspected to check for problems such as rust and possible leaks.

This work was fundamental for the maintenance of the productive activities that depended on the Paraopeba river water.

Water tanks, reservoirs, drinking fountains, hydraulic pumps and pipes were made available to ensure adequate storage and distribution in the properties.

Farmer Alexandre Souza Cruz, from Esmeraldas, depended on water from the Paraopeba River for human consumption and for cattle and horses that he raises in his two farms. His case is an example of this action that aims to mitigate the impact from the rupture on rural activity.

I have ten kilometers of property on the riverside and I can say that at no time did I run out of water. Besides the water tanker at the beginning, I received two water reservoirs, three drinking fountains for animals and improvements were made to my access. All this to make water reception easier."

Alexandre Souza Cruz, who produces milk, mozzarella cheese and plans to plant corn soon.

Bioengineering techniques are versatile, adding biological components as one more soil stabilizing element and allowing to regulate erosive processes in a way that is harmonious with the environment."

Diego Aniceto, Vale's environmental analyst

Sustainable technology for the recovery of degraded areas

The areas impacted by Dam I rupture are receiving a series of actions with the purpose of promoting environmental recovery. One is them is the use of bioengineering techniques to recover the soil and control erosion, an important step to effectively rescue the geomorphological and ecological balance in the region and to contribute for the recovery of the Paraopeba River.

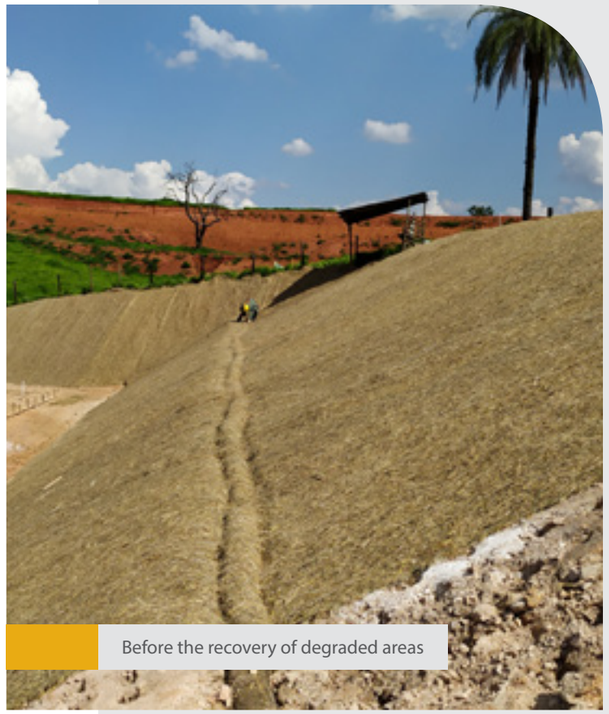
Initial works involved cleaning the entire mouth of the Ferro-Carvão stream, a tributary of the Paraopeba river, and stabilizing its banks, using natural and biodegradable materials such as coconut fiber blankets and vegetable fiber sediment retainers. The Ferro-Carvão stream sub-basin is the section with the greatest impact due to the rupture.

For the remaining sections, upstream from the sheet-pile curtain on the Alberto Flores bridge, specific studies are being developed, starting from the division of the watercourse into sections, according to mapping performed, and the construction of re-naturalization alternatives in each segment. All work is in line with the search activities carried out by the Military Firefighters of Minas Gerais (CBMMG) and with the removal of tailings from the entire impacted area.

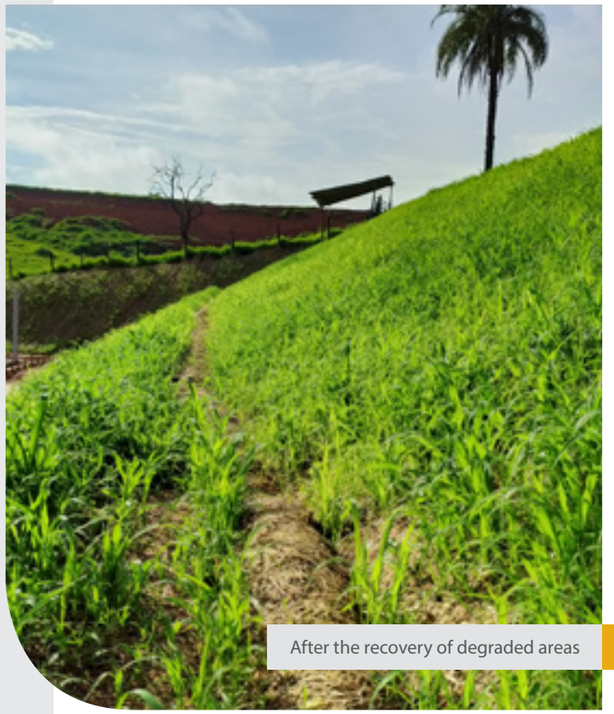
PPA Fencing

The fencing of the Permanent Preservation Areas (PPA) of the Paraopeba river basin is also an important measure to ensure the growth of riparian forest, that is, the vegetation present in spaces close to water courses.

Soon after the rupture, fence installation works began. By the end of August, more than 500,000 meters had already been placed along the Paraopeba River. The objective is to avoid damage caused by cattle grazing in the areas surrounding the river and environmental degradation, favoring forest regeneration and maintaining the integrity of the banks along the river.



Before the recovery of degraded areas



After the recovery of degraded areas

Underground water quality

In compliance with technical note No. 36/IGAM/GMHEC/2019, Vale started in April the study "Evaluation of the impacts on the quality of underground water due to the rupture of the B1 Dam". The activities involve surveying the presence of springs and/or underground water collection wells in properties located along the Paraopeba River. The points chosen for that survey were previously selected by research and analysis of secondary data.

The works seek to understand the circulation of underground water and how surface water is related to underground water, that is, they want to confirm whether the water from the aquifer (underground water) supplies the river (surface water) – what has been observed in the analyzes carried out until then – or if the opposite happens. This study was agreed with the Minas Gerais' Institute for Water Management (IGAM) and is monitored by environmental agencies and the Public Ministry of Minas Gerais.

The results will contribute with technical and scientific inputs to add to the monitoring works on the quality of underground water in the basin of the Ferro-Carvão stream and the Paraopeba river that have already been carried out. The studies are expected to be completed in December 2020.

Survey of springs and/or underground water wells

UFLA study
Flood impacts on the soil

Flooded areas under study

The Federal University of Lavras (UFLA) finished an exploratory report from a study on flooding on the banks of the Paraopeba River in the last rainy season.

The survey covered 11 locations, in an extension of 200km along the riverbed, from Brumadinho to Pompéu. The objective was to assess whether there was a change in the soil and plants in areas flooded by intense rains, from December 2019 to January 2020, as well as to identify any contamination and its relationship with the tailings.

Samples were taken to the laboratory to assess the levels of chemical elements such as arsenic, iron, manganese, lead, cadmium, nickel and cobalt.

The comparative analysis between the flooded soil and the neighboring non-flooded areas does not indicate any change which has the transport and deposition of tailings deposited in the channel of the watercourse as its obvious cause.

10% **Status: in progress**

VALE Q&A

Have the soil and plants been contaminated in areas hit by flood?

The studies carried out along properties that suffered flooding identified abnormal concentrations of some metals, both in the soil of the flooded area and in the neighboring areas not affected by the floods, thus not showing contamination due to the tailings. Regarding the physical and microbiological parameters of the soil, there was no significant difference due to flooding.

There was a change in the levels of iron and manganese in the plants of 10 out of 11 properties assessed, evidence that there is a direct relationship with the tailings. This situation will, from now on, be analyzed deeper by future studies.

Next Steps

Based on the results presented, it will be possible to make deeper analyses to understand possible impacts from the rupture in areas susceptible to flooding along the Paraopeba River.

Dengue combat actions overview

The Vector Insect Control Program, developed in Brumadinho since June of 2019, has reached its 3rd phase in August, with the end of Aedes aegypti mosquito monitoring and control by means of drones. At this stage, mapping was done in the districts of Córrego do Feijão and Parque da Cachoeira, with the identification of 247 breeding grounds. Out of these, 178 received treatment with larvicide.

The drones are allies in the control of diseases such as dengue, zika and chikungunya, for acting on points of difficult access for the city agents of endemics, such as water tanks, gutters, reservoirs, among others.

About 30,000 residents of Brumadinho were contemplated direct or indirectly by the program, as one breeding ground treated with larvicide prevents the emergence of adult specimens of the mosquito. According to achieved results, the initiative was extended to Belo Horizonte.

Another aspect of the program are the inspections of emergency works and waste deposits. Up to the present, 10 preventive actions were taken to check situations favorable for the reproduction Aedes aegypti. Besides that, the employees are being alerted about the importance of the theme, which surpasses the limits of the work and applies to the care we should take when at home.

Drone monitoring for the control of vector insects

Vale Q&A

Drones can capture personal images during activity?

The project with drones doesn't capture personal images, or images with intention to identify people or addresses. Many actions are taken so residents' privacy is kept, such as: prior announcement to the community that the actions are going to start; asking resident's permission to do the treatment; and careful analysis of the image collected by the responsible team. It is worth to mention that people involved in the project sign a Confidentiality Agreement, with legal validity, which protects all data collected in the program.

(Question sent through Customer Service)

Tailings removal retake

Tailings removal is a critical activity to support the rescue by the Firefighters and for the environmental recovery of the affected area due to the rupture of B1 dam. The removal stopped in March, when the Firefighters suspended the searches caused by the coronavirus pandemic, and the retake of the activity happened at the same moment searches returned, on August 27th. Our estimate, based on studies and geotechnical investigation, is that about 9,000 m^3 leaked from B1. Up to now, we have already handled approximately 1,8 million m^3, which corresponds to 20% of the total.

In order to retake the searches, the Firefighters have received support from Vale to attend the determinations from the Covid-19 Extraordinary Committee of Minas Gerais to combat the pandemic. At the moment of suspension, the company prepared the area for a safe and efficient return of the searches, with improvement on the installations, accesses and drain of the affected areas.

Vale Q&A

When will the tailings removal be finished?

Vale is engaged in concluding the tailings removal until the end of 2025. The execution of these activities is directly linked to search strategies, which can be rescheduled if necessary.

(Question sent through Customer Service)

Entities Involved

- **Firefighting Department**
- **Public Prosecution of Minas Gerais**
- **National Agency for Mining (ANM)**
- **State Department for the Environment and Sustainable Development (Semad)**

For further information about the tailings removal process, access the QR Code here

Interlocution with technical consultancy

In April of this year, the Technical Consultancy has started the works in the affected territories due to the rupture of Dam B1 in Brumadinho, according to guidelines legally established. Associated to legal institutions, the entities must help in the search for solutions and promote informed participation of the affected ones in the development of repair and compensation measures of the impact from the rupture. The consultancy is under Vale's expenses; therefore, it is free for the affected people. It is important to stress that the consultancy is not linked to the company and it is periodically audited by Ernst & Young.

The consultants were chosen by the affected people through direct vote after the Minas Gerais Public Prosecutor's Office released a Public Notice Call for interested entities. The document defined the five regions where technical consultancy acts (see map). Each entity had the opportunity to present work proposals for more than one region, pointing the work for the work proposed. After the evaluation of the affected communities, the technical consultants chosen by public hearing were the following:

Region 1 - AEDAS (State Association for Environmental and Social Defense)
Region 2 - AEDAS (State Association for Environmental and Social Defense)
Region 3 - NACAB (Consultancy Nucleus for Communities Affected by Dams)
Region 4 - Instituto Guaicuy
Region 5 - Instituto Guaicuy

Vale respects the affected people's autonomy as well as the right to information and to direct communication. This way, we seek to promote, with technical consultancy, a relationship directed to the resolution of the damage caused on the affected people, always with the intention of cooperating and talking to enable faster and effective response.

Vale Q&A

Does the affected person necessarily need to be represented by the technical consultancy or can establish direct contact with Vale?

Any person that may feel affected by the rupture of the dam can establish interlocution and dialogue directly with any person present in the territory, may it be technical consultancy or Vale itself. Vale prioritizes public and transparent information towards the society and reiterates this commitment.

(Question sent to the CR)

City interface at the Paraopeba River basin

Technical Consultancy:

Region 1: AEDAS
Region 2: AEDAS
Region 3: NACAB
Region 4: Instituto Guaicuy
Region 5: Instituto Guaicuy
Others – not served by technical consultancy, but in interface with Vale

Paraopeba River, September 23rd of 2020. This picture was taken next to the city of Curvelo, a city along Paraopeba channel. We know that there is still a lot to do, but with respect, safety and responsibility, we will proceed carrying out monitoring and recovering the basin.

Dam Safety

B6 Dam is now safer

B6 Dam, one of Córrego do Feijão remnant geotechnical structures, has received positive a Stability Condition Declaration (DCE) and was moved from the level 1 of Mining Dam Emergency Action Plan (PAEBM), having returned to level 0, which attests stability conditions and dam safety. Affected by the rupture of B1 dam, B6 has received a series of integrated interventions to increase its safety and stability. Among other actions, a cleaning of the drain at the dam bottom, reconstitution of superficial drain and water drainage were made. The works are accompanied by independent technical audit designated by Minas Gerais Public Prosecutor's Office (MPMG) and the return to level 0 of emergency from Mining Dam Emergency Action Plan (PAEBM) of the structure was communicated accordingly to the State Foundation for the Environment (Feam), connected to the State Department of Environment and Sustainable Development (Semad), and to the National Agency for Mining (ANM). B6 is a water and iron ore tailings dam, occupying an area of 97,000 m^2, being 40 meters tall and having a 350-meter ridge length.

B6 Dam, in Brumadinho

I have lived in Parque da Cachoeira for 10 years, my main concern here is health. We used to hold meetings periodically, before the pandemic, to set up this health unit here, in this place, and the day care center. As most of us do not have a car, having these structures here has become more practical to the four corners of the community. We didn't believe it would happen so fast and it did."

Ademir Geraldo Caricati,
President of the Parque da Cachoeira Community Association

Infrastructure

Social works and urban infrastructure

The implementation of actions to improve the quality of life and collective well-being is one of the many work fronts in the process of compensating for the impact of B1 Dam rupture.

Defined based on actively listening the voice of communities and the partnership with the public power, these works are primarily focused on urban infrastructure and public facilities.

Works completed in Parque da Cachoeira

From the aerial view, it is possible to see the space that the new daycare center and the new Family Health Unit have in the Parque da Cachoeira community. The neighborhood, one of those most affected by the rupture of the dam in Brumadinho, will receive the two structures as social compensation, as an attempt to provide more quality of life and well-being to community residents.

Due to the coronavirus pandemic, it was not possible to gather the community to get to know the units up close. Alternatively, we invited two residents to visit and we filmed that moment.

“I looked at the daycare and saw the plugs, all high, all safely placed, there is no way for the children to leave here. I thought it looked good, spacious. I thought it was perfect, children like to play and the more colorful the better for them.”

Ingrid Cristina Rodrigues Vaz, a resident who visited the daycare center and has two young daughters, was pleased to see the spacious, colorful space and care for safety

Ingrid Cristina

Facilities to serve the community

Daycare in Parque da Cachoeira

Area: 700 m²
Classrooms: 2 nursery classrooms and 4 classrooms for pre-school with area for sunbathing (solarium)
Shared areas: covered school yard, outdoor playground, messroom, locker rooms and restrooms (including adapted ones for people with special needs).
Service area: kitchen and laundry room.
Management areas: teacher’s lounge, school administration office, reception and administration.

Family Health Unit in Parque da Cachoeira

Area: 372 m²
Office rooms: 3 offices for general practitioner, 1 office for gynecology, 1 office for dentistry with teeth-brushing room, 1 vaccine room and 1 room for general procedures.
Service areas: sanitation room, utensils room, pharmacy.
Management areas: reception, waiting room, screening room, agents room, warehouse and meeting room.
Shared areas: staff dining area, locker room and restrooms (including adapted ones for people with special needs).

Other communities will also receive new public equipment and urban infrastructure improvement.

Check how the works in progress are:

Brumadinho:

- **Paving and signaling the road that connects Córrego do Feijão to Pontilhão**
  Status: concluded
- **Execution of crushed stone on roads in Brumadinho**, totalizing 14.6 km
  Status: concluded
- **Pavimentação e sinalização da estrada que liga o Pontilhão à Avenida Alberto Flores**
  Status: in progress – 10% executed
- **Special Needs Student Attention Center – Bela Vista**
  Status: in progress – 30% executed
- **Daycare – Cohab**
  Status: in progress – 95% executed
- **Daycare – Palhano**
  Status: in progress – 50% executed
- **Sewage Treatment System – Pires**

Status: in progress – 25% executed

Mário Campos:

- **Construction of kindergarten and Family Health Unit**
  Status: in progress – 20% executed

Special Needs Student Attention Center (work in progress)

Reform of Public facilities

It is also part of the social works that are in progress in Brumadinho the execution of remodeling to improve public facilities that attend the population's needs.

Multi-sport Gymnasium Complex

Improvements: painting of all areas, repairing of electrical system, remodeling of the theater and of the skateboard track.

90%

City Schools

Improvements: reform of 16 city schools with execution in three phases: classrooms, outdoors areas and sports courts.

50%

City cemeteries

Improvements: reform of 9 cemeteries in the city of Brumadinho.

10%

Multi-sports Gymnasium in Brumadinho

Entities Involved

- **Minas Gerais Public Prosecutor's Office**
- **National Agency for Mining (ANM)**
- **State Department of Environment and Sustainable Development (Semad)**
- **State Foundation of Environment (Feam)**

“Working with teams from the evacuated territories with a view to engagement and transparent action has been a great learning experience. We impact the lives of hundreds of people and we need to be humble and able to leave legacies with the construction of agreements with the population.”

Edson Cardoso,
Social Engagement Analyst

Evacuated Territories

What are we doing to bring evacuated communities back to normalcy?

After protecting the impacted communities with preventive relocations or emergency evacuations, and provide the necessary assistance, we dedicate every effort to improve the living conditions of those affected.

Through continuous listening and response channels, we ensure that families know, express their opinion and validate the compensation actions essential to the Impacted Territories Development Plan, whose focus is on the social well-being and economic sustainability of the cities. This way, we will gradually leave positive legacies, agreed and appropriated by those who really matter.

Barão de Cocais

Sul Superior Dam, Gongo Soco Mine (emergency level 3)

156 evacuated families

Public Consultation

After the public consultation to identify the priority actions for Barão de Cocais, it was time for the Participatory Committee – constituted by representatives of the communities, the government, educational institutions, the trade association, local councils and Vale – to define which projects will get off the ground. The meetings continue up to the end of October, when the group will announce the investments to be included in the Compensation and Development Plan for Barão de Cocais.

Media Release

Reuniões do Comitê do Plano de Compensação e Desenvolvimento começam hoje

Compensation and Development Plan meetings begin today

Entities involved:

- **City Hall of Barão de Cocais**
- **City Council**
- **Local associations**

“It was an excellent idea having the community participate in this construction process. It is being unbelievably valuable and of great learning. The idea is to leave a great legacy for the population.”

Carlos Adão, member of the Participative Committee of the Compensation and Development Plan for Barão de Cocais

Renovation of Garcia’s Court (Quadra do Garcia)

In response to an old demand from residents, we revitalized the community sports court in the Garcia neighborhood. The scope of the work included painting and installation of fencing, construction of a dressing room, bathrooms, administrative room and bleachers. The work required resources of the order of R$ 700,000.00.

100%

Dredging São João River

The dredging works in São João River and the São Miguel and Corta Goela streams, funded by Vale and carried out by the City Hall, continue its tour de force. Since May, 6 kilometers of the section have been completed. In the end, approximately R$ 7.5 million will have been invested in the project, which, by cleaning the accumulated sediments, de-silting, enlargement, clearance and removal of materials, will reduce the risk of flooding.

70% **Forecast: October 2020**

Entities involved:

- **City Hall of Barão de Cocais**

Revitalization of Lagoa's Square (Praça da Lagoa)

To provide more quality of life and well-being to the community, we negotiated, with the city government, to complete the revitalization of Praça da Lagoa, in the Lagoa neighborhood. Among the interventions to be carried out, are the installation of a playground; reform of the football field, changing rooms and bleachers; construction of the amphitheater and maintenance of the footing areas. This work is also part of the compensation plan.

10%

Forecast: December 2020

Before

Later

Macacos

B3 / B4 Dams, Mar Azul Mine (emergency level 3)

130 families evacuated

The New Rubem Costa Lima School

As soon as classes are resumed in Nova Lima, children and teens from Macacos will be able to enjoy the entire structure of the new Rubem Costa Lima School, which we delivered to the community in August. So that more students could study close to their houses, the service capacity was expanded from 190 to 400, now including from nursery to elementary school II. The infrastructure was conceived based on the principles of accessibility and sustainability, and is the result of a joint achievement of the community, through the mothers' committee, the school board, the government, the Public Ministry of Minas Gerais (MPMG) and Vale.

100%

Saiu na imprensa

ESTADO DE MINAS

Vale finaliza obra que realocou única escola de Macacos

Vale finishes work that relocated only school in Macacos.

New city school in Macacos

Entities involved

- **Nova Lima City Hall**
- **Municipal Secretary of Education**
- **Public Ministry**

Access the video to know the new school better.

Art Déco Project

Another partnership with the local government will allow the restoration of one hundred façade of buildings in Art Déco style, located at the main access road to Nova Lima downtown. The objective is to promote culture and touristic development in the town. The project will be executed in up to one year, starting from July, with R$1.2 million in funds.

10% Forecast: July 2021

Entities Involved:
- **Nova Lima City Hall**

Investments in health

We signed, in August, a commitment term with the City Hall to ensure over R$3 million in investments in prevention, promotion and recovery actions for mental health and social assistance in Macacos. The sum will make enable temporarily hiring 24 professionals for outpatient care and social assistance services for the period of 6 months, and expansion of services in the Basic Health Unit (UBS) and in the Social Assistance Reference Center (CRAS), besides the rental of 3 vehicles for staff commuting.

Entities Involved:
- **Nova Lima City Hall**

Itabirito

Forquilhas I and Forquilhas III Dams, Fábrica Mine (emergency level 3)

17 families evacuated

Reforming the CEA

Reference in environmental education, with average 4,500 students monthly, the Environmental Education Center (CEA) is being totally reformed. Besides painting, air-conditioning system in the auditorium and in the library, covering of the terrace with brickwork and the construction of a metallic walkway with balustrade to make access easier, revision of the roofing, as well as of the power grid and maintenance of the hydro-sanitary system.

60% Forecast: November 2020

Entities Involved:
- **Itabirito City Hall**

Reforming the APAE

In August, we started the reforming the Association of Parents and Friends of Special Children (APAE), which serves about 190 students of all ages, with intellectual and multiple disability, besides autism. The interventions in the kitchen and messroom will be essential to improve safety and accessibility conditions, ensuring the students have autonomy.

60% Forecast: November 2020

“This work is a joy and great motivation so we can keep offering quality service to the people with disabilities in our city.”

Waldyra Salvador, APAE Itabirito coordinator

Entities Involved:
- **Itabirito City Hall**
- **Local associations**

Reforming the school

Over 60 students, aging from 4 to 12, will benefit from the reform of the Municipal School Antônio Toledo Sobrinho, in the Marzagão neighborhood. In consonance with the community's demands, the project involves the construction of a brickwork wall in front of and beside the building, two restrooms, a kitchen, new roofing, a covered school yard for multiuse activities and an access ramp to assure accessibility.

40% **Forecast: December 2020**

Entities Involved

- **Itabirito City Hall**

Sports Courts Hand-in

In July and August, respectively, we finished reforming the sports courts of municipal schools Padre Antônio Cândido, in São Gonçalo do Bação, district of Itabirito, and José Estevam Braga, in Engenheiro Corrêa, in Ouro Preto. The facilities, that will service for over 130 children from kindergarten to middle school, are 100% ready and available to the communities when classes return.

100%

Entities Involved

- **Itabirito City Hall**
- **Ouro Preto City Hall**
- **Municipal Secretariat of Education**

Ouro Preto

Doutor Dam, Timbopeba Mine (emergency level 2)

148 families relocated

Public consultation

For the purpose of having the entire community take effective part in the prioritization of the projects that will be part of the compensation and development plan in Antônio Pereira and Vila Antônio Pereira towns, we launched a public consultation process in August. Over 700 residents contributed indicating where to implement health, education, sports, culture, infrastructure and urbanism, tourism and economic development investments. The actions are being technically assessed. The estimate is that the execution starts at the beginning of 2021.

Next steps

- Consolidation of the Compensation and Development Plan for Antônio Pereira with possible investment actions.
- Feasibility study of the actions chosen by the community.

Media Release

diário de Ouro Preto

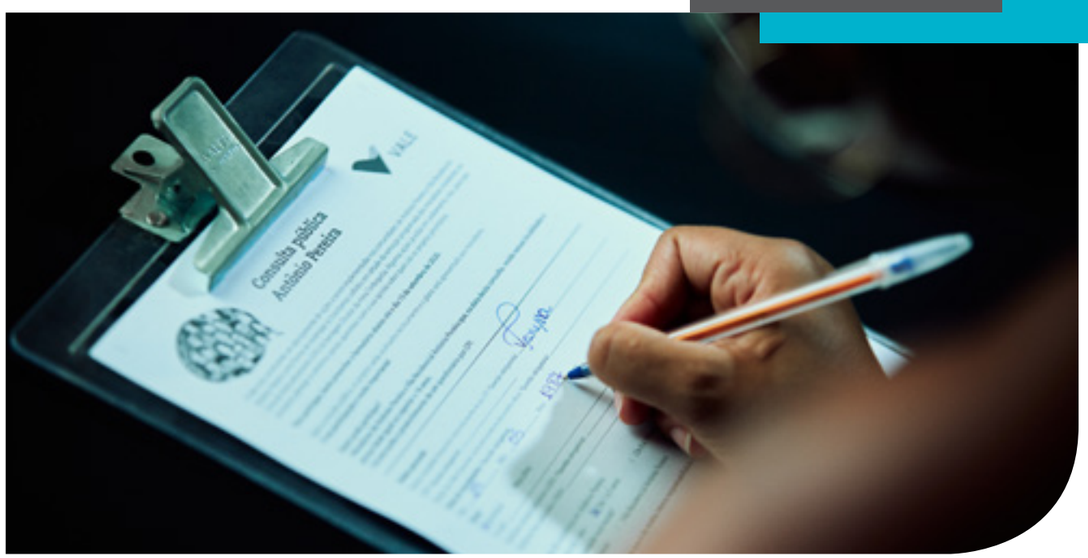
Seja Bem-Vindo a Mina de Timbopeba

Moradores de Antônio Pereira e Vila Antônio Pereira poderão apontar ações prioritárias para a região

Ouro Preto – Os moradores de Antônio Pereira e Vila Residencial Antônio Pereira, distritos de Ouro Preto que ficam próximos à barragem Doutor da Vale, começam esta semana a sugerir as obras e melhorias que vão integrar o Plano de Compensação e Desenvolvimento.

A população terá acesso a um formulário eletrônico para que possa apontar as principais necessidades dos distritos, que orientarão as obras e melhorias que a empresa executará na região. O formulário está disponível no site [redacted] e poderá ser preenchido até o dia 13 de setembro. Versões em papel também estarão disponíveis nos pontos de informação nas

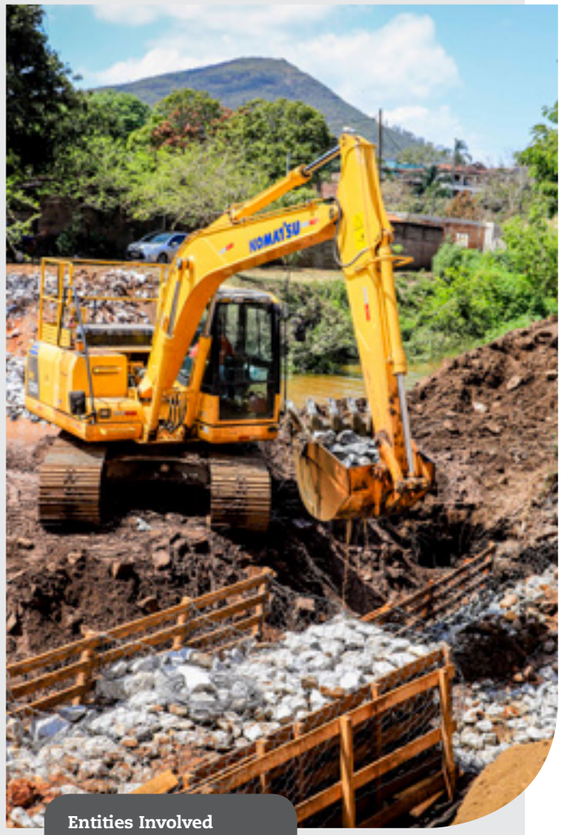
Residents of Antônio Pereira and Vila Antônio Pereira may appoint priority actions for the region



Contention in Tabuleiro River

An old demand from the community, the reconstitution of Tabuleiro River's margin by means of gabion walls – a structure made of stones piled in draining and permeable cages – will be executed by the city hall with R$1.8 million in funds provided by Vale. The objective is to protect the riverside population from the recurring floods due to river overflow in rainy periods.

35% Forecast: January 2021



Entities Involved

- **Ouro Preto City Hall**

Conselheiro Lafaiete

Waste dump, Morro da Mina

648 students relocated

Project of the new Meridional Municipal School

In November start the works of the new Meridional Municipal School, which we have committed to building after the protective suspension of classes, in March this year, for the technical reassessment of a waste dump located in the surroundings. Attending the longings and needs of Morro da Mina community, the facility will be built in the same neighborhood the old one was but out of Vale's operation interference area. The project, adjusted to the Ministry of Education's requirements and the recommendations of the National Fund for Development of Education (FNDE), expands the capacity of students served from 650 to 910 with three new learning environments available. Occupation will be guided based on the pedagogical project, built by the city's educational management with the participation of the school community. The forecast of work conclusion is December 2022.

Project of the new School Municipal Meridional

5% Forecast: December 2022

Entities Involved

- **Conselheiro Lafaiete City Hall**
- **Municipal Secretariat of Education**

Vale Q&A

Will the students have an appropriate structure to go back to on face-to-face classes after the relaxation of social distancing?

Until the new school is finished, the students will complete the school year in the transition facility handed in by Vale, in March, at the University Center President Antônio Carlos's (Unipac) facilities in Lafaiete. The area was totally adapted to the needs of 648 children and teens. The transportation of students and staff will be provided by Vale.

Business Team

Semesterly report on Vale's redress and development actions in the areas impacted by the rupture of the B1 Dam and in the evacuated territories.

Date: September 2020
President: Eduardo Bartolomeo
Special Director of Repair and Development: Marcelo Klein
Communications Director: Júlio Gama
Coordination, Editorial Project and Editorial Office: Equipe de Comunicação e Imprensa - Minas Gerais
Layout: Popcorn Comunicação
Photo credit: Vale Archive
Printing: 120

Service Channels

OFFICIAL CHANNELS

Use these channels to clarify questions and stay informed about redress actions:

www.vale.com/reparacao
Customer Care: 0800 031 0831
Hello Indemnification: 0800 888 1182

Face-to-face service is suspended due to the new coronavirus pandemic. During this period, demands are received via digital channels or via the Customer Care.

Community Service

Service to communities continues to be carried out on 0800 031 0831. Community Relations Professionals also have direct contact with families, remotely. And, whenever necessary, in person, with all due care fighting the Covid-19 pandemic.

Offices - Indemnity

During the pandemic, individual indemnity process negotiations are taking place online.

The scheduling of meetings can be made by the following contacts:

Brumadinho
(31) 99600-7242, (31) 99648-6483 ou (31) 98445-8059

Belo Horizonte, Betim and Macacos
(31) 99983-9076

Barão de Cocais
(31) 99944-6773

Ouro Preto
(31) 99830-5886

VALE