

Vale S.A.  
Form 6-K  
February 06, 2019  
[Table of Contents](#)

**United States**  
**Securities and Exchange Commission**

Washington, D.C. 20549

**FORM 6-K**

**Report of Foreign Private Issuer**

**Pursuant to Rule 13a-16 or 15d-16**

**of the**

**Securities Exchange Act of 1934**

**For the month of**

**February 2019**

**Vale S.A.**

**Praia de Botafogo n° 186, 18° andar, Botafogo  
22250-145 Rio de Janeiro, RJ, Brazil**

(Address of principal executive office)

Edgar Filing: Vale S.A. - Form 6-K

(Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.)

(Check One) Form 20-F  Form 40-F

(Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1))

(Check One) Yes  No

(Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7))

(Check One) Yes  No

(Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.)

(Check One) Yes  No

(If  Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b). 82- .)

---

Table of Contents

Table of Contents:

Press Release  
Signature Page

3  
6

**Vale informs increase of 180% of its investments in the management of dams between 2015 and 2019**

The amount is part of the R\$ 5 billion invested in dams maintenance and Health and Safety in Brazil in the period.

Rio de Janeiro, February 5th, 2019 Vale S.A. ( Vale ) has been continuously investing in the maintenance and safety of its dams, with standards being updated and in continuous alignment with the most rigorous international practices.

The increasing and relevant investments in dam management and Health and Safety initiatives demonstrate Vale's commitment to providing the necessary resources to preserve the Health and Safety of its employees and the surrounding communities.

**Investments in dam management**

The investments in dam management in Brazil have been steadily strengthened and will amount to R\$ 256 million (approximately US\$ 70 million) in 2019 according to the budget approved by the company in 2018, reflecting an increase of around 180% when compared to R\$ 92 million (approximately US\$ 30 million) invested in 2015.

**Investments in dam management**

R\$ million	2015	2016	2017	2018(1)	2019(1)	2016 to 2019
Dam management	92	109	180	241	256	786

From 2016 to 2019, investments in dam management will total R\$ 786 million (approximately US\$ 220 million), being applied to initiatives related to the maintenance and safety of dams, such as maintenance services, monitoring, improvements, auditings, risk analysis, revisions of the Emergency Action Plan for Mining Dams (PAEBM), implementation of alert systems, video monitoring and instrumentation, becoming the most significant category in relation to investments in dams and waste dumps, representing more than 30% of the total amount invested.

**Investment in dams and waste dumps**

Edgar Filing: Vale S.A. - Form 6-K

<b>R\$ million</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018(1)</b>	<b>2019(1)</b>	<b>2016 to 2019</b>
Dam management	92	109	180	241	256	786
New conventional dams	230	115	241	140	222	718
Heightening	139	94	96	188	203	581
Waste dumps	109	86	79	81	101	347
Others	6	52	12	4	63	131
<b>Total in R\$ million</b>	<b>576</b>	<b>456</b>	<b>608</b>	<b>654</b>	<b>845</b>	<b>2,563</b>
<b>Total in US\$ million</b>	<b>174</b>	<b>131</b>	<b>191</b>	<b>178</b>	<b>225</b>	<b>725</b>

---

(1) Realized amounts up to 3Q18, estimated amounts for 4Q18 and approved values in the company's business plan for 2019.

Vale's investments in new tailings dams, all built by the conventional method, reflect the company's operational needs and the implementation schedule of each of the projects in execution. Since 2015, Vale has conducted important tailings dams construction projects, such as the Brucutu Norte dam (2015) and Forquilha V dam (2016) in Minas Gerais, and new projects have been started, such as the Maravilhas III dam (2016), also in Minas Gerais.

It is important to emphasize that all of Vale's new dam constructions follow the conventional construction method, in line with the decision made in 2016, after the disruption of the Samarco dam in Mariana, to render inactive and decommission all upstream dams, which will be accelerated as per the Press Release issued on January 29th, 2019.

Vale's plan is to increase the share of dry processing in its production to 70% by 2023, and consequently reduce the use of dams in its operations. Furthermore, in order to treat the tailings from its wet processing, Vale informs that it plans to invest, starting in 2020, approximately R\$ 1.5 billion (about US\$ 390 million) in the implementation of dry stacking disposal technology. This initiative goes along with the acquisition of New Steel announced on December 11th, 2018, with innovative technologies for the dry beneficiation of iron ore.

### Investments in Health and Safety

The investments in Health and Safety are primarily destined to the electrical rehabilitation, in line with Regulatory Norm 10 of the Ministry of Labor - Safety in Facilities and in Electrical Services (RN10), structural rehabilitation and operational adequacy, firefighting and prevention systems in line with Regulatory Norm 23 of the Ministry of Labor - Fire Protection (RN23), in addition to other actions aimed at risk mitigation and compliance with legal requirements.

In 2015, Vale executed important electrical rehabilitation projects in the Alegria mine, in Minas Gerais, and Carajás mines, in Pará, and the firefighting program of the Fábrica, Brucutu and Pico mines, in Minas Gerais, and Carajás mines, in Pará, in addition to the structural rehabilitation of the Brucutu plant, in Minas Gerais and, consequently, investments in 2016 were reduced to R\$ 435 million (about US\$ 125 million).

Since then, Vale has been increasing its investments in projects related to Health and Safety, and in 2019, R\$ 877 million (approximately US\$ 233 million) are planned to be used, representing a growth of 48% when compared to 2015.

### Investment in Health and Safety

R\$ million	2015	2016	2017	2018(1)	2019(1)	2016 - 2019
Electrical rehabilitation - RN10	220	123	161	225	221	730
Firefighting plans	117	68	66	70	78	282
Structural rehabilitation	58	51	60	173	170	454
Others	198	193	192	205	408	998
<b>Total in R\$ million</b>	<b>593</b>	<b>435</b>	<b>479</b>	<b>673</b>	<b>877</b>	<b>2,464</b>
<b>Total in US\$ million</b>	<b>178</b>	<b>125</b>	<b>151</b>	<b>184</b>	<b>233</b>	<b>693</b>



**Total investments in tailings dams, waste dumps and health and safety**

<b>R\$ million</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018(1)</b>	<b>2019(1)</b>	<b>2016 - 2019</b>
Tailings dams and waste dumps	576	456	608	654	845	2,563
Health and Safety	593	435	479	673	877	2,464
<b>Total in R\$ million</b>	<b>1,169</b>	<b>891</b>	<b>1,087</b>	<b>1,327</b>	<b>1,722</b>	<b>5,027</b>
<b>Total in US\$ million</b>	<b>352</b>	<b>256</b>	<b>342</b>	<b>362</b>	<b>458</b>	<b>1,418</b>

**For further information, please contact:**

+55-21-3485-3900

Andre Figueiredo: andre.figueiredo@vale.com

Andre Werner: andre.werner@vale.com

Carla Albano Miller: carla.albano@vale.com

Fernando Mascarenhas: fernando.mascarenhas@vale.com

Samir Bassil: samir.bassil@vale.com

Bruno Siqueira: bruno.siqueira@vale.com

Clarissa Couri: clarissa.couri@vale.com

Renata Capanema: renata.capanema@vale.com

This press release may include statements that present Vale's expectations about future events or results. All statements, when based upon expectations about the future, involve various risks and uncertainties. Vale cannot guarantee that such statements will prove correct. These risks and uncertainties include factors related to the following: (a) the countries where we operate, especially Brazil and Canada; (b) the global economy; (c) the capital markets; (d) the mining and metals prices and their dependence on global industrial production, which is cyclical by nature; and (e) global competition in the markets in which Vale operates. To obtain further information on factors that may lead to results different from those forecast by Vale, please consult the reports Vale files with the U.S. Securities and Exchange Commission (SEC), the Brazilian Comissão de Valores Mobiliários (CVM), and the French Autorité des Marchés Financiers (AMF), and in particular the factors discussed under "Forward-Looking Statements" and "Risk Factors" in Vale's annual report on Form 20-F.



Table of Contents

**Signatures**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Vale S.A.  
(Registrant)

By: /s/ André Figueiredo  
Director of Investor Relations

Date: February 05, 2019