

December 20, 2019

STATEMENT

To: All Owners', Charterers', Shipping Agent's and Masters' of Ocean Going Vessels calling Vale's Terminals in Brazil

Subject: Low Sulphur Fuel Oil (LSFO) use and Scrubber's Wash water discharge

In light of the entering into force of the Regulation 14 of the Annex VI of the International Convention for the Prevention of Pollution from Ships (MARPOL Convention) and in compliance with Brazilian environmental laws and regulations, Vale S.A, as duly authorized operator of the (i) Terminal of Ponta da Madeira, (ii) Complex of Tubarão e Praia Mole Ports and (iii) Terminal of Ilha Guaiba, acting within its authorization limit, do recommend and determine the following to all ocean-going vessels scheduled to call Vale's Ports and Terminals in Brazil:

- recommend that once entering into contiguous zone or coastal waters (24 nautical miles from coast line), use only Low Sulphur Fuel Oil and do not dispose any Scrubber's Wash water into the ocean;
- determine that while navigating or operating inside Vale's Ports and Terminals waters, use only Low Sulphur Fuel Oil and do not dispose any Scrubber's Wash water into the ocean.

Should the vessel be accepted by Vale S.A., as terminal, and subsequently be found to not comply with the above determination and/or any and all applicable international and local regulations, it shall have the right to reject the berthing and the owners shall be responsible for and indemnify Vale S.A. for any costs and time lost as a result of such non-compliance. Owners/ Masters, upon written request from Vale S.A., must provide letter confirming its acceptance to use only LSFO and not discharge any Scrubber Washwater while navigating and operating at Vale's Ports and Terminals (see template annexed).



Vessels must have sufficient quantity of LSFO on board to operate during all times while in port operation/anchoring. Any non-compliance issues in connection with the subject matter will be solely attributable to the vessel and Vale S.A. shall have the right to order the vessel to vacate the pier and shift from and back to the berth, at the owner's responsibility, time and expenses.

Yours faithful.

Vale S.A.