

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549



CUSIP No.: 185899101

1. NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON
-

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Schedule 13G
Under the Securities Act of 1934

Item 1(a) - Name of Issuer:

Cleveland-Cliffs Inc

Item 1(b) - Address of Issuer's Principal Executive Offices:

200 Public Square
Cleveland, Ohio 44114-2315

Item 2(a) - Name of Person Filing:

The Vanguard Group - 23-1945930

Item 2(b) - Address of Principal Business Office or, if none, residence:

100 Vanguard Blvd.
Malvern, PA 19355

Item 2(c) - Citizenship:

Pennsylvania

Item 2(d) - Title of Class of Securities:

Common Stock

Item 2(e) - CUSIP Number

185899101

Item 3 - Type of Filing:

This statement is being filed pursuant to Rule 13d-1. An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E).

Item 4 - Ownership:

(a) Amount Beneficially Owned:

27,995,807

(b) Percent of Class:

10.36%

Appendix A

Vanguard Fiduciary Trust Company ("VFTC"), a wholly-owned subsidiary of The Vanguard Group, Inc., is the beneficial owner of 272,016 shares or 0.10% of the Common Stock outstanding of the Company as a result of its serving as investment manager of collective trust accounts.

Vanguard Investments Australia, Ltd. ("VIA"), a wholly-owned subsidiary of The Vanguard Group, Inc., is the beneficial owner of 78,836 shares or 0.02% of the Common Stock outstanding of the Company as a result of its serving as investment manager of Australian investment offerings.