

CLIFFS NATURAL RESOURCES INC.

Filed by
NEW YORK STOCK EXCHANGE LLC

FORM 25-NSE

(Notification filed by National Security Exchange to report the removal from listing and registration of matured, redeemed or retired securities Initial Filing Amendments)

Filed 06/02/10

Address	200 PUBLIC SQUARE STE. 3300 CLEVELAND, OH 44114-2315
Telephone	216-694-5700
CIK	0000764065
Symbol	CLF
SIC Code	1000 - Metal Mining
Industry	Metal Mining
Sector	Basic Materials
Fiscal Year	12/31

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 25
NOTIFICATION OF REMOVAL FROM LISTING AND/OR
REGISTRATION UNDER SECTION 12(b) OF THE
SECURITIES EXCHANGE ACT OF 1934.

Commission File Number 001-08944

Issuer: CLIFFS NATURAL RESOURCES INC.
Exchange: NEW YORK STOCK EXCHANGE LLC

(Exact name of Issuer as specified in its charter, and name of Exchange where security is listed and/or registered)

Address: 200 PUBLIC SQUARE
CLEVELAND,
OHIO
44114

Telephone number: 216-694-5700

(Address, including zip code, and telephone number, including area code, of Issuer's principal executive offices)

Common Share Purchase Rights

(Description of class of securities)

Please place an X in the box to designate the rule provision relied upon to strike the class of securities from listing and registration:

- 17 CFR 240.12d2-2(a)(1)
- 17 CFR 240.12d2-2(a)(2)
- 17 CFR 240.12d2-2(a)(3)
- 17 CFR 240.12d2-2(a)(4)
- Pursuant to 17 CFR 240.12d2-2(b), the Exchange has complied with its rules to strike the class of securities from listing and/or withdraw registration on the Exchange. ¹
- Pursuant to 17 CFR 240.12d2-2(c), the Issuer has complied with its rules of the Exchange and the requirements of 17 CFR 240.12d-2(c) governing the voluntary withdrawal of the class of securities from listing and registration on the Exchange.

Pursuant to the requirements for the Securities Exchange Act of 1934, NEW YORK STOCK EXCHANGE LLC certifies that it has reasonable grounds to believe that it meets all of the requirements for filing the Form 25 and has caused this notification to be signed on its behalf by the undersigned duly authorized person.

2010-06-02

By

Edwin Mecabe

Managing
Director

Date

Name

Title

¹ Form 25 and attached Notice will be considered compliance with the provisions of 17 CFR 240.19d-1 as applicable. See General Instructions.

The New York Stock Exchange hereby notifies the SEC of its intention to remove the entire class of the stated securities from listing and registration on the Exchange at the opening of business on June 14, 2010, pursuant to the provisions of Rule 12d2-2 (a).

17 CFR 240.12d2-2 (a) (4) That all rights pertaining to the entire class of this security were extinguished on June 1, 2010.

Pursuant to the terms of the Rights of Cliffs Natural Resources Incorporated, the Rights expired and became null and void on June 1, 2010.

The Exchange also notifies the Securities and Exchange Commission that as a result of the above indicated conditions this security was suspended from trading on June 2, 2010.