

CLIFFS NATURAL RESOURCES INC.

Form 8-K

September 15, 2010

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

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported):

September 15, 2010

Cliffs Natural Resources Inc.

(Exact name of registrant as specified in its charter)

Ohio

1-8944

34-1464672

(State or other jurisdiction
of incorporation)

(Commission
File Number)

(I.R.S. Employer
Identification No.)

200 Public Square, Suite 3300, Cleveland,
Ohio

44114-2315

(Address of principal executive offices)

(Zip Code)

Registrant's telephone number, including area code:

216-694-5700

Not Applicable

Former name or former address, if changed since last report

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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Item 8.01 Other Events.

Cliffs Natural Resources Inc. is filing herewith as an exhibit to its Registration Statement on Form S-3 (File No. 333-165376) its Calculation of Ratio of Earnings to Fixed Charges for the six months ended June 30, 2010 and June 30, 2009.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit

Number

12.1 Calculation of Ratio of Earnings to Fixed Charges

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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 hereunto duly authorized.

Cliffs Natural Resources Inc.

September 15, 2010

By: *P. Kelly Tompkins*

Name: P. Kelly Tompkins

*Title: Executive Vice President Legal, Government Affairs
and Sustainability and General Counsel and Secretary*

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Exhibit Index

| <u>Exhibit No.</u> | <u>Description</u> |
|---------------------------|---|
| 12.1 | Calculation of Ratio of Earnings to Fixed Charges |