
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):

July 14, 2009

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 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

On July 14, 2009 the Board of Directors of Cliffs Natural Resources Inc. (the "Company") appointed Terrance Paradie as Chief Accounting Officer in addition to his current duties as Vice-President, Corporate Controller.

Mr. Paradie, 41, joined the Company in October 2007 as Vice President, Corporate Controller. Mr. Paradie was previously employed with KPMG LLP ("KPMG") from 1992 to 2007. Mr. Paradie's most recent title with KPMG was audit partner. No change was made to Mr. Paradie's compensation as a result of his appointment as Chief Accounting Officer.

Laurie Brlas, Executive Vice President and Chief Financial Officer, relinquished the title Chief Accounting Officer, which she had held since September, 2007.

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.

July 15, 2009

Cliffs Natural Resources Inc.

By: *George W. Hawk, Jr.*

Name: George W. Hawk, Jr.

Title: General Counsel and Secretary