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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):

December 3, 2012

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**

On December 3, 2012, the Board of Directors (“**Board**”) of Cliffs Natural Resources Inc. (the “**Company**”) elected Timothy W. Sullivan to the Board effective as of January 14, 2013. The Board has determined that Mr. Sullivan has no material relationship with the Company (directly or as a partner, shareholder or officer of an organization that has a relationship with the Company) and is independent within the Company’s director independence standards, which are consistent with the New York Stock Exchange’s director independence standards as currently in effect. Effective July 1, 2013, Mr. Sullivan will become a member of the Audit Committee.

As a non-employee director, Mr. Sullivan will receive compensation in the same manner as the Company’s other non-employee directors, which compensation the Company previously disclosed in its definitive proxy statement on Schedule 14A as filed with the Securities and Exchange Commission on March 23, 2012 (the “**2012 Proxy Statement**”). Mr. Sullivan will participate in the Company’s Nonemployee Directors’ Compensation Plan (Amended and Restated as of December 31, 2008) (the “**Plan**”), a copy of which is filed as Exhibit 10.1 to this Current Report on Form 8-K and is incorporated herein by reference. The Plan provides, among other things, for an annual equity grant to non-employee directors. The Plan also provides, among other things, for the opportunities for non-employee directors, in certain circumstances, to receive a portion of their annual retainer fee in common shares, par value \$0.125 per share, of the Company (the “**Shares**”), to invest additional amounts of their compensation payable for services as a non-employee director in Shares and to defer all or a portion of their compensation payable as a non-employee director. Pursuant to the Plan, Mr. Sullivan is to receive a prorated annual equity grant of restricted shares in an amount to be calculated as of January 14, 2013.

The Company also expects to enter into Indemnification Agreements with Mr. Sullivan, the form of which is included as Exhibit 10.2 to this Current Report on Form 8-K and is incorporated herein by reference. The Indemnification Agreement provides that, to the extent permitted by Ohio law, the Company will indemnify Mr. Sullivan against all expenses, costs, liabilities and losses (including attorneys’ fees, judgments, fines or settlements) incurred or suffered by him in connection with any suit in which he is a party or otherwise involved as a result of his service as a member of the Board. The foregoing discussion of the terms of the form of Indemnification Agreement is qualified in its entirety by reference to the full text of the Indemnification Agreement.

A copy of the press release relating to the appointment of Mr. Sullivan is attached here to as Exhibit 99.1

**Item 9.01. Financial Statements and Exhibits.**

**(d) Exhibits.**

<u>Exhibit Number</u>	<u>Description</u>
10.1	Cliffs Natural Resources Inc. Nonemployee Directors’ Compensation Plan (Amended and Restated as of December 31, 2008) filed as Exhibit 10(nn) to Cliffs Natural Resources Annual Report on Form 10-K on February 26, 2009 and incorporated by reference)
10.2	Form of Indemnification Agreement between Cliffs Natural Resources Inc. and Directors (filed as Exhibit 10.5 to the Cliffs Natural Resources Inc. Annual Report on Form 10-K on February 16, 2012 and incorporated by reference)
99.1	Press Release dated December 3, 2012

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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.

*December 3, 2012*

Cliffs Natural Resources Inc.

*By: /s/ Carolyn E. Cheverine*

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*Name: Carolyn E. Cheverine*

*Title: General Counsel - Corporate Affairs & Secretary*

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Exhibit Index

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press Release dated December 3, 2012



**CLIFFS**

**NEWS RELEASE**

**Cliffs Natural Resources Board Elects New Director**

*Timothy W. Sullivan to Join Company's Board*

**CLEVELAND – Dec. 3, 2012** – Cliffs Natural Resources Inc. (**NYSE: CLF**) (**Paris: CLF**) announced today that the Board of Directors has elected Timothy W. Sullivan, 59, executive advisor of CCMP Capital Advisors LLC and former president and chief executive officer of Bucyrus International Inc. to the Board. The appointment is effective January 1, 2013. With the addition of Mr. Sullivan, Cliffs' Board will be comprised of a total of 11 directors.

Joseph Carrabba, Cliffs' chairman, president and chief executive officer, said: "I am pleased with the appointment of Tim to Cliffs' Board. His background and in-depth understanding of the global mining industry will be extremely beneficial to our board as Cliffs continues to execute our strategic growth plans in a challenging economic environment. Tim's understanding of the importance of capital allocation will only add to his contributions to our business."

Mr. Sullivan began his business career in the mining industry when he joined Bucyrus, a global designer and manufacturer of mining equipment, in 1976 where he spent 19 years in positions of increasing managerial responsibility for the company. He was named vice president of sales and marketing in 1995. Mr. Sullivan was later promoted to executive vice president before pursuing an opportunity outside of Bucyrus when in 1999 he joined United Container as president and chief executive officer. Within a year he was recruited back to Bucyrus as president, a position he held from 2000 to 2004, where he successfully transformed the company's financial position. In 2004, Mr. Sullivan was named president, chief executive officer and a director of the company, a role he held until 2011 when Bucyrus was acquired. Mr. Sullivan recently joined CCMP Capital Advisors LLC in 2012, a private equity firm specializing in buyouts and growth equity transactions in upper and middle market companies after a 34 year career with Bucyrus International Inc.

Mr. Sullivan received a Master of Business Administration from American University and a Bachelor of Science from Carroll University. Currently, he serves as director for several companies including Generac Holdings Inc., Aurora Health Care Inc., and The Northwestern Mutual Life Insurance Company. Currently, he is a special consultant to the Wisconsin Governor and also the chairman of the Wisconsin Governor's Council for Workforce Investment, Council for College and Workforce Readiness. He is a past director for the National Mining Association.

**About Cliffs Natural Resources Inc.**

Cliffs Natural Resources Inc. is an international mining and natural resources company. A member of the S&P 500 Index, the Company is a major global iron ore producer and a significant producer of high- and low-volatile metallurgical coal. Cliffs' strategy is to continually achieve greater scale and diversification in the mining industry through a focus on serving the world's largest and fastest growing steel markets. Driven by the core values of social, environmental and capital stewardship, Cliffs associates across the globe endeavor to provide all stakeholders operating and financial transparency.

The Company is organized through a global commercial group responsible for sales and delivery of Cliffs' products and a global operations group responsible for the production of the minerals the Company markets. Cliffs operates iron ore and coal mines in North America and two iron ore mining complexes in Western Australia. In addition, Cliffs has a major chromite project, in the feasibility stage of development, located in Ontario, Canada.

News releases and other information on the Company are available on the Internet at: <http://www.cliffsnaturalresources.com>

**INVESTOR RELATIONS AND GLOBAL COMMUNICATIONS CONTACTS:**

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