

Smith Clifford T
Form 3
January 19, 2011

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *

Â Smith Clifford T

(Last) (First) (Middle)

200 PUBLIC SQUARE,Â SUITE
3300

(Street)

CLEVELAND,Â OHÂ 44114

(City) (State) (Zip)

2. Date of Event Requiring Statement

(Month/Day/Year)

01/11/2011

3. Issuer Name and Ticker or Trading Symbol

CLIFFS NATURAL RESOURCES INC. [CLF]

4. Relationship of Reporting Person(s) to Issuer

5. If Amendment, Date Original Filed(Month/Day/Year)

(Check all applicable)

___ Director ___ 10% Owner

X Officer ___ Other
(give title below) (specify below)

SVP, Global Business Dev.

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person

___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security
(Instr. 4)

2. Amount of Securities Beneficially Owned
(Instr. 4)

3. Ownership Form:
Direct (D)
or Indirect (I)
(Instr. 5)

4. Nature of Indirect Beneficial Ownership
(Instr. 5)

Common Stock

8,561 ⁽¹⁾

D

Â

Common Stock

11,740 ⁽²⁾

I

by VNQDC

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security
(Instr. 4)

2. Date Exercisable and Expiration Date
(Month/Day/Year)

3. Title and Amount of Securities Underlying Derivative Security
(Instr. 4)

4. Conversion or Exercise Price of

5. Ownership Form of Derivative

6. Nature of Indirect Beneficial Ownership
(Instr. 5)

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Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Derivative Security	Security: Direct (D) or Indirect (I) (Instr. 5)
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Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Smith Clifford T 200 PUBLIC SQUARE SUITE 3300 CLEVELAND, OH 44114	^	^	^ SVP, Global Business Dev.	^

Signatures

Clifford T.
Smith

01/19/2011

__Signature of
Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Balance shown reflects 5,531 common shares held by the reporting owner and 540, 1,530, and 960 restricted share units granted to the

(1) reporting person for the 2008-2010, 2009-2011 and 2010-2012 performance periods, respectively, pursuant to the Cliffs Natural Resources Inc. (the "Company") 2007 Incentive Equity Plan.

(2) Held for the benefit of the Reporting Person by the Company's 2005 Voluntary Non-Qualified Deferred Compensation Plan (VNQDC).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.

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