

CLIFFS NATURAL RESOURCES INC.

Reported by
SMITH CLIFFORD T

FORM 3

(Initial Statement of Beneficial Ownership)

Filed 01/19/11 for the Period Ending 01/11/11

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

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

1. Name and Address of Reporting Person * Smith Clifford T	2. Date of Event Requiring Statement (MM/DD/YYYY) 1/11/2011	3. Issuer Name and Ticker or Trading Symbol CLIFFS NATURAL RESOURCES INC. [CLF]
(Last) (First) (Middle) 200 PUBLIC SQUARE, SUITE 3300	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) SVP, Global Business Dev. /	
(Street) CLEVELAND, OH 44114	5. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
(City) (State) (Zip)		

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	8561 (1)	D	
Common Stock	11740 (2)	I	by VNQDC

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

1. Title of Derivate Security (Instr. 4)	2. Date Exercisable and Expiration Date (MM/DD/YYYY)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

Explanation of Responses:

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

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

1/19/2011

** Signature of Reporting Person

Date

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

* 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).

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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