

CALFEE WILLIAM R
Form 4
March 03, 2011

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN 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 *
CALFEE WILLIAM R

2. Issuer Name and Ticker or Trading Symbol
CLIFFS NATURAL RESOURCES INC. [CLF]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
1100 SUPERIOR AVENUE, 15TH FLOOR
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
03/02/2011

____ Director
 Officer (give title below)
____ 10% Owner
____ Other (specify below)
Exec. V.P. Commercial Projects

CLEVELAND, OH 44114

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				(A) or (D)	Price		
			Code	V	Amount		
Common Stock	03/02/2011		S		4,673	D	\$ 96.306 37,753 D
Common Stock	03/02/2011		S		100	D	\$ 96.33 37,653 D
Common Stock	03/02/2011		S		184	D	\$ 96.34 37,469 D
Common Stock	03/02/2011		S		2,100	D	\$ 96.35 35,369 D
Common Stock	03/02/2011		S		600	D	\$ 96.36 34,769 D

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Common Stock	03/02/2011	S	84	D	\$ 96.37	34,685	D	
Common Stock	03/02/2011	S	800	D	\$ 86.38	33,885	D	
Common Stock	03/02/2011	S	16	D	\$ 96.39	33,869	D	
Common Stock	03/02/2011	S	516	D	\$ 96.4	33,353	D	
Common Stock	03/02/2011	S	600	D	\$ 96.42	32,753	D	
Common Stock						40,040	I	By VNQDC <u>(1)</u>

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

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(9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 6)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
CALFEE WILLIAM R 1100 SUPERIOR AVENUE 15TH FLOOR CLEVELAND, OH 44114			Exec. V.P. Commercial Projects	

Signatures

/s/ Nancy L. Watts by Power of
Attorney

03/03/2011

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(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).

(1) Held for the benefit of the Reporting Person by the Issuer'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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