Vetor Duke D Form 4 March 06, 2009

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

Expires: January 31, 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

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(b).

(Print or Type Responses)

1. Name and Ad Vetor Duke D	•	ting Person *	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)	3. Date of Earliest Transaction (Month/Day/Year)	Director 10% Owner X Officer (give title Other (specify below)		
17385 TALL	85 TALL TREE TRAIL		03/05/2009	SVP - N. American Coal		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
CHAGRIN F	ALLS, OH	14023		Form filed by More than One Reporting Person		
(City)	(State)	(Zin)				

(City)	(State) (Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securi			5. Amount of Securities	6. Ownership Form: Direct	7. Nature of Indirect
(Instr. 3)	• •	any	Code	(Instr. 3,	4 and	5)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)		(4)		Owned Following Reported	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
					(A) or		Transaction(s)		
			Code V	Amount	(D)	Price	(Instr. 3 and 4)		
Common Stock	03/05/2009		A(1)	4,620	A	\$ 15.43	18,570	D	
Common Stock	03/05/2009		F(2)	1,559	D	\$ 15.43	17,011 (3)	D	

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

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.

SEC 1474

(9-02)

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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)	Code	5. Number iom Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exerce Expiration D (Month/Day/	Date	7. Title and A Underlying S (Instr. 3 and	Securities	8. P. Deri Secu (Ins
			Code V	7 (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Retention Units 2006-2008	<u>(4)</u> <u>(5)</u>	03/05/2009	D	1,320	<u>(6)</u>	<u>(6)</u>	Common Shares	1,320 (5)	\$ 2

Reporting Owners

Reporting Owner Name / Address			Relationships	
	Director	10% Owner	Officer	Other

Vetor Duke D 17385 TALL TREE TRAIL CHAGRIN FALLS, OH 44023

SVP - N. American Coal

Signatures

George W. Hawk, Jr. by Power of
Attorney
03/06/2009

**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) Reflects payout in Common Stock of Performance Shares earned under the Cleveland-Cliffs Inc 1992 Equity Plan (as Amended and Restated as of May 13, 1997) as amended ("Plan"), for the 2006-2008 Performance Period.
- (2) Surrender of Performance Shares represented in footnote (1) in payment of the related tax liability incurred by the reporting person.
- (3) Total ownership reflects the 2-for-1 stock split on May 15, 2008, which resulted in the reporting person's acquiring 6,975 additional shares.
- (4) Convertible into Common Shares on a 1-for-1 basis.
- (5) Total ownership reflects the 2-for-1 stock split on May 15, 2008, which resulted in the reporting person's receiving 660 additional Retention Units.

Represents a payout of Retention Units to the Reporting Person under the Cleveland-Cliffs Inc Long-Term Incentive Program of the Plan covering the period January 1, 2006 through December 31, 2008 (Incentive Period). Payment of the Retention Units was made in cash after the completion of the Incentive Period based upon the employment by the Company of the Reporting Person and the market value of a Common Share of the Company on December 31, 2008 pursuant to the Plan.

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

Reporting Owners 2

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