

Vetor Duke D
Form 4
September 01, 2010

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 *
Vetor Duke D

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)
17385 TALL TREE TRAIL
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
09/01/2010

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
SVP - N. American Coal

CHAGRIN FALLS, OH 44023

(City) (State) (Zip)

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

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 Ownership (Instr. 4)
				(A) or (D) Code V Amount Price			
Common Stock	09/01/2010		S	300 D \$ 64.48	23,003	D	
Common Stock	09/01/2010		S	100 D \$ 64.47	22,903	D	
Common Stock	09/01/2010		S	100 D \$ 64.46	22,803	D	
Common Stock	09/01/2010		S	500 D \$ 64.45	22,303	D	

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

