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

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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 or Section 30(h) of the Investment Company Act of 1940

s)														
Name and Address of Reporting Person * Michaud James 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) Director X Officer (give title below) Other (specify below)				
(Last) (First) (Middle) 200 PUBLIC SQUARE, SUITE 3300			3. Date of Earliest Transaction (Month/Day/Year) 09/07/2012								SVP	, Human Re	sources	
(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 Form filed by More than One Reporting Person					
(State)	(Zip)		Т	able I	- Non	-Der	ivative S	Securities	Acqui	ired, Dispe	osed of, or l	Beneficially	Owned	
1.Title of Security 2. Transaction (Instr. 3) Date (Month/Day/Year)		2A. Deemed Execution Date, if any		3. Transaction Code (Instr. 8)			n 4. Securities Acquired			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)			6. Ownership Form:	Beneficial
		(Mont	th/Day/Year		ode	V	Amoun	(A) or t (D)	Price	(Instr. 3 a	nd 4)			Ownership (Instr. 4)
	09/07/2012			F	(1)		213	111		4,584			D	
										1,039 (2)		I	By VNQDC
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Keporung Owners

Ī	D (O N /	Relationships					
	Reporting Owner Name / Address	Director	10% Owner	Officer	Other		
	Michaud James R 200 PUBLIC SQUARE SUITE 3300 CLEVELAND, OH 44114			SVP, Human Resources			

Signatures

/s/ Carolyn E. Cheverine By Power of Attorney	09/1

1/2012

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) Surrender of shares in payment of tax liability incurred on September 7, 2012, the date of restricted stock vesting to the Reporting Person.
- (2) Balance shown reflects 13 shares and 18 shares acquired June 1, 2012 and August 31, 2012, respectively, pursuant to the dividend reinvestment feature of the Issuer's 2005 Voluntary Non-Qualified Deferred Compensation Plan ("VNQDC").
- (3) Held for the benefit of the Reporting Person by the VNQDC.

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

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