FORM 4

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

OMB APPROVAL
OMB Number: 3235-0287
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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

(Print or Ty	pe Response	s)																	
1. Name and Address of Reporting Person * CUNNINGHAM SUSAN M				CL	2. Issuer Name and Ticker or Trading Symbol CLIFFS NATURAL RESOURCES INC. [CLF]							-	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) _X_ Director 10% Owner Officer (give title below) Other (specify below)						
(Last) (First) (Middle) 200 PUBLIC SQUARE, STE. 3300					3. Date of Earliest Transaction (Month/Day/Year) 07/01/2009														
(Street) CLEVELAND, OH 44114				4. If	4. If Amendment, Date Original Filed(Month/Day/Year)						- -	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting PersonForm 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)		Date	h/Day/Year)	Execut any	A. Deemed Execution Date, if any Month/Day/Year)		Code (Instr. 8)		on 4. Securities Acquired (A or Disposed of (D) (Instr. 3, 4 and 5)		ed (A)	Beneficially Owned Follow Reported Transaction(s)		Following	oving 6. Ownersh Form: Direct (D		7. Nature of Indirect Beneficial Ownership		
					(Monu	ii/Day/Tear)	Coo	de	V	Amoun	(A on t (D	r	Price	,		or Indirect (Instr (I) (Instr. 4)			
Common	Stock		07/01	/2009			A ⁽	1)		185.490	05 A	2	\$ 24.26	9,164.8	3642 ⁽²⁾		D		
	F	7			Deriv	ative Secur	ities A	equir	Per corthe	rsons whentained in the form disconnected in the disconnected in the following the following with the following the following in the following	no responding this splays	forr a c	m are curren	not requ itly valid	ction of inf uired to res OMB cont	spond unle	SS	SEC 14	74 (9-02)
1. Title of	2	3. Transact	tion	3A. Deemed	` ' '	outs, calls, v	varran 5.	ts, op		ns, conver Date Exer			 	tle and	8. Price of	9. Number	of 10.		11. Natur
Derivative Security	Conversion or Exercise Price of Derivative Security	Date	ay/Year)	Execution D ear) any			Number a		an (M	nd Expiration Date Month/Day/Year)		Amo Unde Secur	unt of erlying rities r. 3 and		Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Ov For De Sec Dir or	wnership rm of rrivative curity: rect (D) Indirect	of Indirect Beneficia Ownershi (Instr. 4)	
						Code V	(A)	(D)		ate cercisable	Expira Date	tion	Title	Amount or Number of Shares					

Reporting Owners

D (O N (Relationships						
Reporting Owner Name / Address	Director	10% Owner	Officer	Other			
CUNNINGHAM SUSAN M 200 PUBLIC SQUARE STE. 3300 CLEVELAND, OH 44114	X						

Signatures

George W. Hawk, Jr. by Power of Attorney	07/02/2009
**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 number of Common Shares credited to the account of the Reporting Person in payment of the Reporting Person's Required Quarterly Retainer for the third quarter of 2009 under the Cliffs Natural Resources Inc. Nonemployee Directors Compensation Plan. Full shares earned in 2009 will be issued effective January 2, 2010.
- The Board of Directors of Cliffs Natural Resources Inc. (the "Company") declared a dividend of \$.04 per share, payable to all holders of record as of May 22, 2009 of
- (2) common stock payable on June 1, 2009. The amount shown reflects 5.7175 shares credited to the Reporting Person pursuant to the Company's Dividend Reinvestment and Stock Purchase Plan.

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.