FORM	4
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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).

(Print or Type Pesponses)

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

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SEC 1474 (9-02)

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 Type Responses)											
1. Name and Address of Repo CUNNINGHAM SUSA	2. Issuer Name CLIFFS NAT [CLF]			0,		5	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) Other (specify below)				
200 PUBLIC SQUARE	· · · · · · · · · · · · · · · · · · ·	3. Date of Earlie 01/04/2010	3. Date of Earliest Transaction (Month/Day/Year) 01/04/2010								
(Stre CLEVELAND, OH 441	, 	4. If Amendmen	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			
(City) (Stat	e) (Zip)		Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
(Instr. 3) Date (Month/Day/Year)		· ·	f Code (Instr. 8)		4. Securities Acquired (A or Disposed of (D) (Instr. 3, 4 and 5)		~ /	Beneficially Owned Following Reported Transaction(s)	Ownership of Indir Form: Benefic	Beneficial	
	(Mor		Code	V	Amount	(A) or (D)	Price	(Instr. 3 and 4)	Direct (D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)	
Common Stock	01/04/2010		A ⁽¹⁾		108.4834	А	\$ 46.09	9,435.322 (2)	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.

 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

	(e.g., puts, calls, warrants, options, convertible securities)														
1. Title of	2.	3. Transaction	3A. Deemed	4.		5.		6. Date Exer	cisable	7. Tit	le and	8. Price of	9. Number of	10.	11. Nature
Derivative	Conversion	Date	Execution Date, if	Transacti	on	Numl	ber	and Expirati	on Date	Amou	int of	Derivative	Derivative	Ownership	of Indirect
Security	or Exercise	(Month/Day/Year)	any	Code		of		(Month/Day	/Year)	Unde	rlying	Security	Securities	Form of	Beneficial
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)		Deriv	ative			Secur	ities	(Instr. 5)	Beneficially	Derivative	Ownership
	Derivative					Secur	ities			(Instr	. 3 and		Owned	Security:	(Instr. 4)
	Security					Acqu	ired			4)			Following	Direct (D)	
						(A) o							1	or Indirect	
						Dispo							Transaction(s)	< / <	
						of (D	·						(Instr. 4)	(Instr. 4)	
						(Instr									
						4, and	15)								
											Amount				
								Date	Expiration		or				
								Exercisable	*	Title	Number				
								Exercisable	Date		of				
				Code	V	(A)	(D)				Shares				

Reporting Owners

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

Signatures

Traci L. Forrester by Power of Attorney	01/05/2010
-**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 first quarter of 2010 under the Cliffs Natural Resources Inc. Nonemployee Directors Compensation Plan.("Plan") Full shares earned in 2010 will be issued effective January 2, 2011.
- On November 10, 2009, Cliffs Natural Resources Inc. (the "Company") declared a dividend of \$.0875 per share, payable to all holders of record as of November 20, 2009 of (2) common stock payable on December 1, 2009. The amount shown reflects 8.1588 shares acquired pursuant to a Dividend Reinvestment and Stock Purchase Plan for the Company's Common Stock.

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.