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9	<b>TAN TANKA TAN</b> FIS	BP ANIT UNITED STATE	S SECURITIES AND EXCHANGE COMM	AISSION	OMB APPR	OVAL
			Washington, D.C. 20549		OMB Number:	3235-0287
Ī	Check this box if no	-			Estimated average	
	longer subject to	STATEMENT OF CHA	NGES IN BENEFICIAL OWNERSHIP O	F SECURITIES	hours per response	e 0.5
	Section 16. Form 4 or					
	Form 5 obligations may continue. <i>See</i> Instruction 1(b).	*	6(a) of the Securities Exchange Act of 1934 o the Investment Company Act of 1940	or Section 30(h) of		
(	Print or Type Responses)					

	1. Name and Address of Reporting Person <sup>*</sup> GREEN SUSAN MIRANDA			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_Director10% Owner Officer (give title below)Other (specify below)		
In Thile Indication and Day Teal (City)         Set Original Theorem file of Original Theo	· · · ·	· · ·	(Middle)									
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)     6.     7. Nature Ownership or Indirect (Instr. 4)       1.T     Code     V     Angurge find/Pricet     S     (Instr. 3 and 4)     Ownership (Instr. 4)     6.     7. Nature				4. If Amendment	4. If Amendment, Date Original Filed(Month/Day/Year)					_X_Form filed by One Reporting Person		
(Instr. 3)       Date (Month/Day/Year)       Execution Date, if (Month/Day/Year)       Code (Instr. 8)       or Disposed of (D) (Instr. 3, 4 and 5)       Beneficially Owned Following Reported Transaction(s)       Ownership Form: Direct (D) or Indirect (Instr. 4)       of Indirect Beneficially Ownership (Instr. 3, 4 and 5)         1.T       Code       V       Angourge for Angourge for Ownership (Instr. 4)       S       Ownership (Instr. 3 and 4)       Ownership Ownership (Instr. 4)       of Indirect Beneficially Ownership (Instr. 4)	(City)	Т	Table I - Non-Derivative Securities Acqu					ired, Disposed of, or Beneficially Owned				
1.T     Code     V     Amount end of the first of th	-		Date	Execution Date, if	Code	ction	or Disposed of (D)			Beneficially Owned Following	Ownership	
Ex Thing Data If Code the Dama	1 T			(Month/Day/Year)		V	Ampunnte	or	Price		or Indirect (I)	Ownership (Instr. 4)
			07/01/2010 (MotM	aayyn eaa ji s any			f Code 106.7236				. ,	
(Mont/Day/Year) Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly	Denia den Denert en e											

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\* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

Stock Purchase Plan.

- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- 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 (1) 2010 under the Cliffs Natural Resources Inc. Nonemployee Directors Compensation Plan ("Plan"). Full shares earned pursuant to the Plan in 2010 will be issued effective January 2, 2011.
- The Board of Directors of Cliffs Natural Resources Inc. (the "Company") declared a dividend of \$.14 per share, payable to all holders of record as of May 14, 2010 of (2) common stock payable on June 1, 2010. The amount shown reflects 3.2834 shares credited to the Reporting Person pursuant to the Company's Dividend Reinvestment and
- 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 re rs Com e i