Eldridge Barry J Form 4 October 05, 2009

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

See Instruction

Eldridge Barry J Issuer Symbol **CLIFFS NATURAL RESOURCES** (Check all applicable) INC. [CLF] _X__ Director (Last) (First) (Middle) 3. Date of Earliest Transaction 10% Owner Officer (give title Other (specify (Month/Day/Year) below) 200 PUBLIC SQUARE, STE. 3300 10/01/2009 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check

2. Issuer Name and Ticker or Trading

(Street)

(Zin

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

5. Relationship of Reporting Person(s) to

Person

CLEVELAND, OH 44114

(State)

(City)

(City)	(State)	(Zip) Tak	ole I - Non-	Derivative Se	ecuriti	es Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities	Acqui	red (A)	5. Amount of	6.	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	omr Disposed	of (D)		Securities	Ownership	Indirect
(Instr. 3)		any	Code	(Instr. 3, 4 ar	nd 5)		Beneficially	Form:	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	Direct (D)	Ownership
							Following	or Indirect	(Instr. 4)
					(4)		Reported	(I)	
					(A)		Transaction(s)	(Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
C			Code v	Amount	(D)		10 700 2075		
Common	10/01/2009		$A_{(1)}^{(1)}$	147.3477	Α	\$	12,708.3975	D	
Stock	10,01,200)		· - —	117.5177		30.54	<u>(2)</u>		

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)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)

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secur
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities	3		(Instr.	3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
							Expiration	Title Nu	Number		
							Date		of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
r	Director	10% Owner	Officer	Other		
Eldridge Barry J 200 PUBLIC SQUARE STE. 3300 CLEVELAND, OH 44114	X					

Signatures

Traci L. Forrester by Power of 10/05/2009 Attorney **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).
- Reflects number of Common Shares credited to the account of the Reporting Person in payment of the Reporting Person's Required (1) Quarterly Retainer for the fourth quarter of 2009 under the Cliffs Natural Resources Inc. Nonemployee Directors Compensation Plan. Full shares earned in 2009 will be issued effective January 4, 2010.
- On July 14, 2009, Cliffs Natural Resources Inc. (the "Company") declared a dividend of \$.04 per share, payable to all holders of record as (2) of August 14, 2009 of common stock payable on September 1, 2009. The amount shown reflects 9.9462 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.

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