CLEVELAND CLIFFS INC

Form 4

September 12, 2006

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

Number:

January 31, Expires: 2005

0.5

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Check this box if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction

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).

FLOOR

(Print or Type Responses)

1. Name and Address of Reporting Person * Eldridge Barry J

1100 SUPERIOR AVENUE, 15TH

(Street)

2. Issuer Name and Ticker or Trading Symbol

CLEVELAND CLIFFS INC [CLF]

5. Relationship of Reporting Person(s) to

Issuer

below)

(Last) (First)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

X_ Director 10% Owner Officer (give title Other (specify

(Check all applicable)

09/12/2006

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year) Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

CLEVELAND, OH 44114

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) (Instr. 3)

Execution Date, if (Month/Day/Year)

4. Securities Acquired (A) 3. Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following Reported

7. Nature of 6. Ownership Indirect Form: Beneficial Direct (D) Ownership or Indirect (Instr. 4)

(A) or Code V (D) Amount

Transaction(s) (Instr. 3 and 4)

D

(I)

(Instr. 4)

Common Stock

09/12/2006

 $A^{(1)}$ 26.4851 \$ 2,229.9826 39.645 (2)

Price

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. Title a	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration D	ate	Amount	of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day	Year)	Underlyi	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative Securities		Securities (Instr. 3 and 4)		(Instr. 5)	Bene	
	Derivative									Own	
	Security				Acquired	Acquired					Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
								٨	mount		
								01			
						Date Exercisable	Expiration Date		umber		
								of			
				Code V	(A) (D)				hares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
r g	Director	10% Owner	Officer	Other			
Eldridge Barry J 1100 SUPERIOR AVENUE 15TH FLOOR CLEVELAND, OH 44114	X						

Signatures

George W. Hawk, Jr. by Power of 09/12/2006 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 for meeting fees earned under the Non-Employee Directors' Compensation Plan. Full shares earned in 2006 will be issued effective January 2, 2007.
- On July 11, 2006, Cleveland-Cliffs Inc declared a dividend of \$.125 per share, payable to all holders of record as of August 15, 2006 of (2) common stock payable on September 1, 2006. The amount shown reflects .581 shares acquired pursuant to the Cleveland-Cliffs Inc Dividend Reinvestment and Stock Repurchase 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.

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