

CLIFFS NATURAL RESOURCES INC.

Reported by
RIEDERER RICHARD K

FORM 4

(Statement of Changes in Beneficial Ownership)

Filed 09/19/07 for the Period Ending 09/18/07

Address	200 PUBLIC SQUARE STE. 3300 CLEVELAND, OH 44114-2315
Telephone	216-694-5700
CIK	0000764065
Symbol	CLF
SIC Code	1000 - Metal Mining
Industry	Metal Mining
Sector	Basic Materials
Fiscal Year	12/31

CLEVELAND CLIFFS INC

FORM 4

(Statement of Changes in Beneficial Ownership)

Filed 9/19/2007 For Period Ending 9/18/2007

Address	1100 SUPERIOR AVE 18TH FLR CLEVELAND, Ohio 44114
Telephone	216-694-5700
CIK	0000764065
Industry	Metal Mining
Sector	Basic Materials
Fiscal Year	12/31

Powered By **EDGAR**Online

<http://www.edgar-online.com/>

© Copyright 2006. All Rights Reserved.

Distribution and use of this document restricted under EDGAR Onlines Terms of Use.

FORM 4

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

OMB APPROVAL
OMB Number: 3235-0287
Expires: January 31, 2008
Estimated average burden
hours per response... 0.5

[] 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,
Section 17(a) of the Public
Utility Holding Company Act of 1935 or Section 30(f) of the
Investment Company Act of 1940

1. Name and Address of Reporting Person *			2. Issuer Name and Ticker or Trading Symbol			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
RIEDERER RICHARD K			CLEVELAND CLIFFS INC [CLF]			<input checked="" type="checkbox"/> Director _____ 10% Owner		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (MM/DD/YYYY)			<input type="checkbox"/> Officer (give title below) _____ Other (specify below)		
S25 W35020 MANOR HOUSE RD.			9/18/2007					
(Street)			4. If Amendment, Date Original Filed (MM/DD/YYYY)			6. Individual or Joint/Group Filing (Check Applicable Line)		
OCONOMOWAC, WI 53066						<input checked="" type="checkbox"/> Form filed by One Reporting Person		
(City) (State) (Zip)						<input type="checkbox"/> Form filed by More than One Reporting Person		

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

1. Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	9/18/2007		S		4500	D	\$79.01	5463.6669	D	
Common Stock	9/18/2007		S		2800	D	\$79.18	2663.6669	D	
Common Stock	9/18/2007		S		200	D	\$79.23	2463.6669	D	
Common Stock	9/18/2007		S		200	D	\$79.25	2263.6669	D	
Common Stock	9/18/2007		S		200	D	\$79.27	2063.6669	D	
Common Stock	9/18/2007		S		100	D	\$79.32	1963.6669 ⁽¹⁾	D	

Table II - Derivative Securities Beneficially Owned (e.g. , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		(A)	(D)	Date Exercisable	Expiration Date				

Explanation of Responses:

(1) On May 8, 2007, Cleveland-Cliffs Inc (the "Company") declared a dividend of \$.125 per share, payable to all holders of record as of May 18, 2007 of common stock payable on June 1, 2007. The amount shown reflects 1.205536 shares acquired pursuant to a Dividend Reinvestment and Stock Purchase Plan for the Company's Common Stock and 14.2854 shares of restricted dividend reinvestment shares pursuant to the Nonemployee Directors' Compensation Plan ("Plan"). On July 10, 2007, the Company declared a dividend of \$.125 per share, payable to all holders of record as of August 15, 2007 of common stock payable on September 4, 2007. The amount shown reflects 14.2854 shares credited to the Reporting Person pursuant to the Company's Dividend Reinvestment and Stock Purchase Plan and 1.3664 shares of restricted dividend reinvestment shares pursuant to the Plan.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
RIEDERER RICHARD K S25 W35020 MANOR HOUSE RD. OCONOMOWAC, WI 53066	X			

Signatures**George W. Hawk, Jr. by Power of Attorney****9/19/2007**

** Signature of Reporting Person

Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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.