

CLIFFS NATURAL RESOURCES INC.

Reported by
RIEDERER RICHARD K

FORM 4

(Statement of Changes in Beneficial Ownership)

Filed 01/05/05 for the Period Ending 01/03/05

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 1/5/2005 For Period Ending 1/3/2005

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

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FORM 4

[] Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL
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**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 _____ Officer (give title below) _____ Other (specify below)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (MM/DD/YYYY)					
S25 W35020 MANOR HOUSE RD.			1/3/2005					
(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 <input type="checkbox"/> Form filed by More than One Reporting Person		
(City)			(State)			(Zip)		

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									4430.352 (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	Title	Amount or Number of Shares				
Stock Units	(2)	1/3/2005		A		72.2126		(3)	(3)	Common Shares	72.2126	\$51.93	1555.3432 (4)		D

Explanation of Responses:

- Includes 4.1760 shares of Restricted Stock acquired December 1, 2004 pursuant to a dividend reinvestment feature of the Nonemployee
- (1) Directors' Compensation Plan ("Plan"). Also, on December 31, 2004, the common stock of Cleveland-Cliffs Inc split 2-for-1, resulting in the reporting person's acquisition of 2,215.176 additional shares of common stock.
- (2) Convertible into Common Shares on a 1-for-1 basis.
- Reflects number of Common Shares underlying deferred compensation credited to the account of the Reporting Person in payment of the
- (3) Reporting Person's Quarterly Required Retainer under the Cleveland-Cliffs Inc Nonemployee Directors Compensation Plan. Each Stock Unit is generally distributable following termination of service as a Director.
- Includes dividend equivalents (a total of .9525 shares) credited to the Reporting Person on December 1, 2004 under the Plan. Also, on
- (4) December 31, 2004, the common stock of Cleveland-Cliffs Inc split 2-for-1, resulting in the reporting person's acquisition of 741.5653 additional shares of common stock.

Reporting Owners

Reporting Owner Name / Address	Relationships

Signatures

Donald J.

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

**Gallagher; by
Power of Attorney**

1/5/2005

** 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.

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