

CLIFFS NATURAL RESOURCES INC.

Reported by
CARRABBA JOSEPH A

FORM 4

(Statement of Changes in Beneficial Ownership)

Filed 05/27/08 for the Period Ending 05/23/08

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

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

**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)	
Carrabba Joseph A		CLEVELAND CLIFFS INC [CLF]		<input checked="" type="checkbox"/> Director _____ 10% Owner <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) Chairman, Pres. & CEO	
(Last) (First) (Middle)	3. Date of Earliest Transaction (MM/DD/YYYY)				
1100 SUPERIOR AVENUE, 15TH FLOOR	5/23/2008				
(Street)	4. If Amendment, Date Original Filed (MM/DD/YYYY)		6. Individual or Joint/Group Filing (Check Applicable Line)		
CLEVELAND, OH 44114			<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	5/23/2008		F (1)		2125	D	\$92.835	88251 (2)	D	
Common Stock								2114 (3)	I	VNQDC

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				
Retention Units 2006-2008	(4)							(5)	(5)	Common Shares	9960 (5)		9960 (6)	D	
Retention Units 2007-2009	(4)							(7)	(7)	Common Shares	11100 (7)		11100 (8)	D	

Explanation of Responses:

- (1) Surrender of shares in payment of the related tax liability incurred by the reporting person upon the vesting of a restricted stock grant.
- (2) Total amount reflects the Company's 2-for-1 stock split on May 15, 2008, which resulted in the reporting person's receiving an additional 39,438 common shares and 5,750 restricted stock units.
- (3) Held for the benefit of the Reporting Person by the Cleveland-Cliffs Inc Voluntary Non-Qualified Deferred Compensation Plan (VNQDC). Total ownership reflects the 2-for-1 stock split on May 15, 2008, which resulted in the reporting person's receiving 1,057 additional shares in the VNQDC.
- (4) Each Retention Unit represents the value of one Common Share of the Company.
- (5) Represents a grant of Retention Units to the Reporting Person under the Cleveland-Cliffs Inc Long-Term Incentive Program covering the period January 1, 2006 through December 31, 2008 (Incentive Period). Payment of the Retention Units will be made in cash after the completion of the Incentive Period based upon the employment by the Company of the Reporting Person and the market value of a

Common Share of the Company on the last day of the Incentive Period.

- (6) Total amount reflects a Company 2-for-1 stock split on May 15, 2008, which resulted in the reporting person's receiving 4,980 additional retention units.
- (7) Represents a grant of Retention Units to the Reporting Person under the Cleveland-Cliffs Inc Long-Term Incentive Program covering the period January 1, 2007 through December 31, 2009 (Incentive Period). Payment of the Retention Units will be made in cash after the completion of the Incentive Period based upon the employment by the Company of the Reporting Person and the market value of a Common Share of the Company on the last day of the Incentive Period.
- (8) Total amount reflects the 2-for-1 stock split on May 15, 2008, which resulted in the reporting person's receiving 5,550 additional retention units.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Carrabba Joseph A 1100 SUPERIOR AVENUE 15TH FLOOR CLEVELAND, OH 44114	X		Chairman, Pres. & CEO	

Signatures

George W. Hawk, Jr. by Power of Attorney

5/27/2008

** 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.