

FORM 4

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

OMB APPROVAL	
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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 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person* TRETHERWEY JAMES A			2. Issuer Name and Ticker or Trading Symbol CLEVELAND CLIFFS INC [CLF]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) _____ Director _____ 10% Owner <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) S.V.P.- Bus. Development		
(Last) (First) (Middle) 1100 SUPERIOR AVENUE, 15TH FLOOR			3. Date of Earliest Transaction (Month/Day/Year) 03/13/2007					
(Street) CLEVELAND, OH 44114			4. If Amendment, Date Original Filed(Month/Day/Year)			6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person _____ 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. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction 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								39,596	D	
Common Stock								10,483 ⁽¹⁾	I	By VNQDC ⁽²⁾
Common Stock								19,740	I	Wife

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

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction 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 (Month/Day/Year)		7. Title and Amount of Underlying Securities (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
Retention Units 2007-2009	⁽³⁾	03/13/2007		A		750		⁽⁴⁾	⁽⁴⁾	Common Shares	750	\$ 0 ⁽⁴⁾	750	D	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
TRETHERWEY JAMES A 1100 SUPERIOR AVENUE 15TH FLOOR CLEVELAND, OH 44114			S.V.P.- Bus. Development	

Signatures

George W. Hawk, Jr. by Power of Attorney	03/15/2007
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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).
- (1) Balance shown reflects 21 shares acquired March 1, 2007 pursuant to the dividend reinvestment feature of the Voluntary Non-Qualified Deferred Compensation Plan ("VNQDC") to shareholders of record as of February 15, 2007.
- (2) Held for the benefit of the Reporting Person by the Cleveland-Cliffs Inc Voluntary Non-Qualified Deferred Compensation Plan (VNQDC).
- (3) Convertible into Common Shares on a 1-for-1 basis.
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
- (4) 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.

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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