FORM	4
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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).

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

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

(Print or Type Responses)		*								(), T	
1. Name and Address of Reporting Person [*] CALFEE WILLIAM R			2. Issuer Name and Ticker or Trading Symbol CLEVELAND CLIFFS INC [CLF]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X_Officer (give title below) Exec. V.P. Comm. N.Amer. Iron		
(Last) 1100 SUPERIOR AV	3. Date of Earliest Transaction (Month/Day/Year) 01/16/2007										
(Street) CLEVELAND, OH 44114			4. If Amendment, Date Original Filed(Month/Day/Year)						6. Individual or Joint/Group Filing(Check Applicable Line) _X_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								
(Instr. 3) D		Date (Month/Day/Year)		Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form:	Beneficial
			(Month/Day/Year)	Code	v	Amount	(A) or (D)	Price	(Instr. 3 and 4)		Ownership (Instr. 4)
Common Stock		01/16/2007		S <mark>(1)</mark>		75	D	\$ 49.51	45,785	D	
Common Stock		01/16/2007		S <mark>(1)</mark>		75	D	\$ 49.64	45,710	D	
Common Stock		01/16/2007		S <mark>(1)</mark>		75	D	\$ 49.71	45,635	D	
Common Stock		01/16/2007		S <mark>(1)</mark>		150	D	\$ 49.79	45,485	D	
Common Stock		01/16/2007		S <mark>(1)</mark>		150	D	\$ 49.84	45,335	D	
Common Stock		01/16/2007		S <mark>(1)</mark>		75	D	\$ 50.01	45,260	D	
Common Stock		01/16/2007		S <mark>(1)</mark>		75	D	\$ 50.14	45,185	D	
Common Stock		01/16/2007		S <mark>(1)</mark>		75	D	\$ 50.52	45,110	D	
Common Stock									19,873	I	By VNQDC (2)

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

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SEC 1474 (9-02)

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

	(e.g., puts, cans, warrants, options, convertible securities)													
1. Title of	2.	3. Transaction	3A. Deemed	4.	5.		6. Date Exer	cisable	7. Tit	le and	8. Price of	9. Number of	10.	11. Nature
Derivative	Conversion	Date	Execution Date, if	Transaction	Num	ber	and Expirati	on Date	Amo	unt of	Derivative	Derivative	Ownership	of Indirect
Security	or Exercise	(Month/Day/Year)	any	Code	of		(Month/Day	/Year)	Unde	rlying	Security	Securities	Form of	Beneficial
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Deriv	ative			Secur	rities	(Instr. 5)	Beneficially	Derivative	Ownership
	Derivative				Secu	rities			(Instr	. 3 and		Owned	Security:	(Instr. 4)
	Security				Acqu	ired			4)			Following	Direct (D)	
					(A) 0	r						Reported	or Indirect	
					Dispo	osed						Transaction(s)	(I)	
					of (D)						(Instr. 4)	(Instr. 4)	
					(Instr	: 3,								
					4, an	d 5)								
										Amount				
							Data	Emination		or				
							Date Exercisable	Expiration Date	Title	Number				
							Exercisable	Date		of				
				Code V	(A)	(D)				Shares				

Reporting Owners

	Relationships						
Reporting Owner Name / Address	Director	10% Owner	Officer	Other			
CALFEE WILLIAM R 1100 SUPERIOR AVENUE 15TH FLOOR CLEVELAND, OH 44114			Exec. V.P. Comm. N.Amer. Iron				

Signatures

George W. Hawk, Jr. by Power of Attorney	01/17/2007
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).
- (1) Common shares sold pursuant to a 10b(5)-1 trading plan entered into September 29, 2006.
- (2) Held for the benefit of the Reporting Person by the Cleveland-Cliffs Inc Voluntary Non-Qualified Deferred Compensation Plan (VNQDC).

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.