

CLEVELAND CLIFFS INC  
 Form 4  
 May 15, 2008

**FORM 4**

**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(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**IRELAND JAMES D III**

(Last) (First) (Middle)

1801 EAST 9TH STREET, SUITE 1700

(Street)

CLEVELAND, OH 44114

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**CLEVELAND CLIFFS INC [CLF]**

3. Date of Earliest Transaction (Month/Day/Year)  
**05/13/2008**

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person  
 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. 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 Ownership (Instr. 4)
				Code V Amount (A) or (D) Price			
Common Stock	05/13/2008		A <sup>(1)</sup>	402 A \$ 186.79	11,547	D	
Common Stock					23,094 <sup>(2)</sup>	D	
Common Stock					349,592 <sup>(3)</sup>	I	Co-Trustee

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

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The total includes dividend reinvestment pursuant to the Plan. The number of deferred dividend reinvestment equivalent shares earned in the Plan is calculated using the closing market price at the end of each quarter for shares held in the Plan. The reporting person was (6) credited with an aggregate amount of 47.0756 dividend reinvestment shares for the 3rd and 4th quarters of 2007 and the first quarter of 2008. The total ownership amount also reflects the 2-for-1 stock split on May 15, 2008, which resulted in the reporting person's receiving 11,453.251 additional shares.

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