

# CLIFFS NATURAL RESOURCES INC.

Reported by  
**IRELAND JAMES D III**

## FORM 5

(Annual Statement of Changes in Beneficial Ownership)

Filed 01/06/09 for the Period Ending 12/31/08

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 5

[ ] Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).  
 [ ] Form 3 Holdings Reported  
 [ ] Form 4 Transactions Reported

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

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**ANNUAL 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)			
<b>IRELAND JAMES D III</b>			<b>CLIFFS NATURAL RESOURCES INC. [CLF]</b>			<input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)			
(Last)	(First)	(Middle)	3. Statement for Issuer's Fiscal Year Ended (MM/DD/YYYY)						
<b>1801 EAST 9TH STREET, SUITE 1700</b>				<b>12/31/2008</b>					
(Street)			4. If Amendment, Date Original Filed (MM/DD/YYYY)			6. Individual or Joint/Group Filing (Check Applicable Line)			
<b>CLEVELAND, OH 44114</b>						<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)
				Amount	(A) or (D)	Price			
Common Stock							23094	D	
Common Stock							349592	I	Co-Trustee (1)

**Table II - Derivative Securities Acquired, Disposed of, or 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 (MM/DD/YYYY)		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 at End of Issuer's Fiscal Year (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Units							(3)	(3)	Common Shares	23039.6555		23039.6564 (4)	D	

**Explanation of Responses:**

- (1) The shares represented are held in five trusts for the benefit of siblings and the Reporting Person who is a co-trustee of the trusts. The Reporting Person disclaims beneficial ownership of 255,894 of these shares. The Reporting Person has an interest in the income or corpus with respect to 93,698 shares.
- (2) Convertible into Common Shares on a 1-for-1 basis.
- (3) Reflects number of Common Shares underlying deferred compensation credited to the account of the Reporting Person pursuant to the dividend reinvestment feature of the Plan. Each Stock Unit is generally distributable following termination of service as a Director.

- (4) The total includes dividend reinvestment pursuant to the Cliffs Natural Resources Inc. (formerly Cleveland-Cliffs Inc) Nonemployee Directors' Compensation Plan ("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 credited with 16.8162, 37.888, and 78.4502 dividend reinvestment shares on 6/30/2008, 9/30/2008 and 12/31/2008 respectively.

**Reporting Owners**

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
<b>IRELAND JAMES D III 1801 EAST 9TH STREET SUITE 1700 CLEVELAND, OH 44114</b>	X			

**Signatures**

**Traci L. Forrester by Power of Attorney**

**1/6/2009**

\*\* 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.

## LIMITED POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that the undersigned hereby constitutes and appoints George W. Hawk, Jr., Traci L. Forrester, Nancy Watts and Keirsten Riedel and each of them, as the true and lawful attorney or attorneys-in-fact, with full power of substitution and revocation, for the undersigned and in the name, place and stead of the undersigned, in any and all capacities, to execute, on behalf of the undersigned, any and all statements or reports considered necessary or advisable under Section 16(a) of the Securities Exchange Act of 1934 and the rules and regulations promulgated thereunder, as amended from time to time ("Exchange Act") with respect to the beneficial ownership of shares of Common Stock, par value \$.125 per share, of Cleveland-Cliffs Inc ("Company"), including, without limitation, all initial statements of beneficial ownership on Form 3; all statements of changes in beneficial ownership on Form 4; all annual statements of beneficial ownership on Form 5; and all notices of proposed sale of securities on Form 144; and any and all other documents that may be required, from time to time, to be filed with the Securities and Exchange Commission, to execute any and all amendments or supplements to any such statements or forms, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting to said attorney or attorneys-in-fact, and each of them, full power and authority to do so and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as the undersigned might or could do in person, hereby ratifying and confirming all that said attorney or attorneys-in-fact or any of them or their substitutes, may lawfully do or cause to be done by virtue hereof.

The undersigned acknowledges that neither the Company nor such attorney-in-fact assumes (i) any liability for the undersigned's responsibility to comply with the requirement of the Exchange Act, (ii) any liability of the undersigned for any failure to comply with such requirements, or (iii) any obligation or liability of the undersigned for profit disgorgement under Section 16(b) of the Exchange Act. This Power of Attorney does not relieve the undersigned from responsibility for compliance with the undersigned's obligations under the Exchange Act, including without limitation the reporting requirements under Section 16 of the Exchange Act.

This Power of Attorney shall remain in full force and effect as long as the undersigned is subject to the reporting requirements of Section 16 with respect to the undersigned's holdings and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 19th day of May, 2008.

*/s/ James D. Ireland*

*James D. Ireland, III*  
*Director*