

IRELAND JAMES D III  
 Form 5  
 January 06, 2009

**FORM 5**

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

OMB APPROVAL

OMB Number: 3235-0362  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 1.0

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

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

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

2. Issuer Name and Ticker or Trading Symbol  
 CLIFFS NATURAL RESOURCES INC. [CLF]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
 12/31/2008

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

1801 EAST 9TH STREET, SUITE 1700

(Street)

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

6. Individual or Joint/Group Reporting

(check applicable line)

CLEVELAND, OH 44114

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 at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|--------|-------|--|--|---|
|                                 |                                      |  |                                | (A) Amount  | or (D) | Price |  |  |   |
| Common Stock                    | ^                                    | ^  | ^                              | ^   | ^      | ^     | 23,094   | D  | ^   |
| Common Stock                    | ^                                    | ^  | ^                              | ^   | ^      | ^     | 349,592  | I  | Co-Trustee (1)  |

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

**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.**

SEC 2270 (9-02)

**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) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|
| Stock Units                                | Â  | Â                                    | Â  | Â                              | Â (A) Â (D)   | Â (3) Â (3)  | Common Shares 23,039.6555                                     |

## Reporting Owners

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

## Signatures

Traci L. Forrester by Power of Attorney 01/06/2009

\_\_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).
- 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
- (1) 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.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.