

# CLIFFS NATURAL RESOURCES INC.

Reported by  
**VETOR DUKE D**

## FORM 4

(Statement of Changes in Beneficial Ownership)

Filed 06/16/11 for the Period Ending 06/15/11

|             |  |
|-------------|--|
| Address     | 200 PUBLIC SQUARE<br>STE. 3300<br>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 4

[ ] 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,  
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>Vetor Duke D</b>                       |         |          | <b>CLIFFS NATURAL RESOURCES INC. [ CLF ]</b>      |  |  | <input type="checkbox"/> Director <span style="float:right"><input type="checkbox"/> 10% Owner</span><br><input checked="" type="checkbox"/> Officer (give title below) <span style="float:right"><input type="checkbox"/> Other (specify below)</span><br><b>SVP, North Amer. Coal</b> |  |  |
| (Last)                                    | (First) | (Middle) | 3. Date of Earliest Transaction (MM/DD/YYYY)      |  |  |   |  |  |
|   |         |          | <b>6/15/2011</b>                                  |  |  |   |  |  |
| 17385 TALL TREE TRAIL<br>(Street)         |         |          | 4. If Amendment, Date Original Filed (MM/DD/YYYY) |  |  | 6. Individual or Joint/Group Filing (Check Applicable Line)   |  |  |
| <b>CHAGRIN FALLS, OH 44023</b>            |         |          |   |  |  | <input checked="" type="checkbox"/> Form filed by One Reporting Person<br><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) |              |
|---------------------------------|----------------|-----------------------------------|---------------------------|---|---|------------|---|--|---|--------------|
|                                 |                |                                   | Code                      | V | Amount  | (A) or (D) |   |  |   | Price        |
| Common Stock                    | 6/15/2011      |                                   | S                         |   | 600   | D          | \$85.25   | 19263  | D   |              |
| Common Stock                    | 6/15/2011      |                                   | S                         |   | 200   | D          | \$85.26   | 19063  | D   |              |
| Common Stock                    | 6/15/2011      |                                   | S                         |   | 300   | D          | \$85.27   | 18763  | D   |              |
| Common Stock                    | 6/15/2011      |                                   | S                         |   | 200   | D          | \$85.28   | 18563  | D   |              |
| Common Stock                    | 6/15/2011      |                                   | S                         |   | 300   | D          | \$85.29   | 18263  | D   |              |
| Common Stock                    | 6/15/2011      |                                   | S                         |   | 800   | D          | \$85.30   | 17463  | D   |              |
| Common Stock                    | 6/15/2011      |                                   | S                         |   | 1000  | D          | \$85.31   | 16463  | D   |              |
| Common Stock                    | 6/15/2011      |                                   | S                         |   | 400   | D          | \$85.32   | 16063  | D   |              |
| Common Stock                    | 6/15/2011      |                                   | S                         |   | 100   | D          | \$85.33   | 15963  | D   |              |
| Common Stock                    | 6/15/2011      |                                   | S                         |   | 100   | D          | \$85.35   | 15863  | D   |              |
| Common Stock                    |                |                                   |                           |   |   |            |   | 12202 (1)  | I   | By VNQDC (2) |

**Table II - Derivative Securities 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 |                 | 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 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   | Amount or Number of Shares |  |   |  |  |

**Explanation of Responses:**

- (1) Balance shown reflects 18 shares acquired June 1, 2011 pursuant to the dividend reinvestment feature of the Cliffs Natural Resources Inc. 2005 Voluntary Non-Qualified Deferred Compensation Plan ("VNQDC").
- (2) Held for the benefit of the Reporting Person by the VNQDC.

**Reporting Owners**

| Reporting Owner Name / Address  | Relationships |           |                              |       |
|---|---------------|-----------|------------------------------|-------|
|   | Director      | 10% Owner | Officer                      | Other |
| <b>Vetor Duke D<br/>17385 TALL TREE TRAIL<br/>CHAGRIN FALLS, OH 44023</b> |               |           | <b>SVP, North Amer. Coal</b> |       |

**Signatures**

/s/ Keirsten Riedel by Power of Attorney

6/16/2011

\*\* 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.

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