

CLIFFS NATURAL RESOURCES INC.

Reported by
GREEN SUSAN MIRANDA

FORM 4

(Statement of Changes in Beneficial Ownership)

Filed 06/16/11 for the Period Ending 06/14/11

| | |
|-------------|--|
| 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 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

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(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) | | |
| GREEN SUSAN MIRANDA | | | CLIFFS NATURAL RESOURCES INC. [CLF] | | | <input checked="" type="checkbox"/> Director _____ 10% Owner _____ Officer (give title below) _____ Other (specify below) | | |
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction (MM/DD/YYYY) | | | | | |
| | | | 6/14/2011 | | | | | |
| 5917 RYLAND DRIVE | | | 4. If Amendment, Date Original Filed (MM/DD/YYYY) | | | 6. Individual or Joint/Group Filing (Check Applicable Line) | | |
| (Street) | | | | | | <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person | | |
| BETHESDA, MD 20817 | | | | | | | | |
| (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) | | | |
| Common Stock | 6/14/2011 | | S | | 470 | D | \$86.2836 | 6799.79 (1) | D |

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) The Board of Directors of Cliffs Natural Resources Inc. declared dividends of \$0.14 per share, payable to all holders of record as of April 29, 2011 of common stock payable on June 1, 2011. The amount shown reflects 2.5647 shares credited on June 1, 2011 to the Reporting Person pursuant to the Dividend Reinvestment and Stock Purchase Plan.

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| GREEN SUSAN MIRANDA 5917 RYLAND DRIVE BETHESDA, MD 20817 | X | | | |

Signatures

/s/ Gina K. Gunning 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.

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.