CLIFFS NATURAL RESOURCES INC.

Form 4

January 04, 2011

FORM 4

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

OMB Number:

Expires:

response...

3235-0287 January 31,

0.5

Check this box if no longer

subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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Form 5 obligations

may continue. See Instruction

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(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * RIEDERER RICHARD K

(First)

(Street)

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

below)

Symbol

CLIFFS NATURAL RESOURCES

(Check all applicable)

INC. [CLF]

(Middle)

3. Date of Earliest Transaction

X_ Director 10% Owner Officer (give title Other (specify

(Month/Day/Year) S25 W35020 MANOR HOUSE RD. 01/01/2011

4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person

Form filed by More than One Reporting Person

OCONOMOWAC, WI 53066

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed

(Month/Day/Year) Execution Date, if

(Month/Day/Year)

4. Securities 3. TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect Beneficial (D) or Ownership Indirect (I) (Instr. 4) (Instr. 4)

Reported Transaction(s)

or Code V Amount (D) Price

(A)

(Instr. 3 and 4)

Common Stock

2,308.2136 (1) D

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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| 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. Transactic Code (Instr. 8) | 5. Number of orDerivative Securities Acquired (A) or Disposed of (Instr. 3, 4, and 5) | Expiration I (Month/Day r | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | Amount of Securities 4) | 8. D S (I | |
|---|---|--------------------------------------|---|--|---|---------------------------------|--|------------------|----------------------------------|-----------------|--|
| | | | | Code V | (A) (I | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | |
| Stock Units | <u>(2)</u> | 01/01/2011 | | A(3) | 64.0943 | <u>(4)</u> | <u>(4)</u> | Common Shares | 64.0943 | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|--|---------------|-----------|---------|-------|--|--|--|
| | Director | 10% Owner | Officer | Other | | | |
| RIEDERER RICHARD K S25 W35020 MANOR HOUSE RD. OCONOMOWAC, WI 53066 | X | | | | | | |

Signatures

Traci L. Forrester by Power of Attorney 01/04/2011

**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 Board of Directors of Cliffs Natural Resources Inc. (the "Company") declared a dividend of \$.14 per share, payable to all holders of record as of November 19, 2010 of common stock payable on December 1, 2010. The amount shown reflects 4.5853 shares credited to the Reporting Person pursuant to the Company's Dividend Reinvestment and Stock Purchase Plan.
- (2) Convertible into Common Shares on a 1-for-1 basis.
- Reflects number of Common Shares of underlying deferred compensation credited to the account of the Reporting Person in payment of the Reporting Person's first quarter Required Retainer pursuant to the Cliffs Natural Resources Inc. Nonemployee Directors' Compensation Plan ("Plan").
- Reflects number of Common Shares of underlying deferred compensation credited to the account of the Reporting Person pursuant to the Plan. Each Stock Unit is generally distributable following termination of service as a Director.
- Balance shown reflects 28.0522 shares acquired December 31, 2010 pursuant to the dividend reinvestment feature of the Plan.

 (5) 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 as of the record date with dividends earned as of December 1, 2010.

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

Reporting Owners 2