

Smith Clifford T  
Form 3  
January 19, 2011

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

OMB Number: 3235-0104  
Expires: January 31, 2005  
Estimated average burden hours per response... 0.5

**INITIAL STATEMENT OF 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

(Print or Type Responses)

|   |         |                                      |  |  |
|---|---------|--------------------------------------|--|--|
| 1. Name and Address of Reporting Person * |         | 2. Date of Event Requiring Statement | 3. Issuer Name <b>and</b> Ticker or Trading Symbol                     |  |
| Â Smith Clifford T                        |         | (Month/Day/Year)                     | CLIFFS NATURAL RESOURCES INC. [CLF]                                    |  |
| (Last)                                    | (First) | (Middle)                             | 4. Relationship of Reporting Person(s) to Issuer                       | 5. If Amendment, Date Original Filed(Month/Day/Year) |
|   |         |                                      | (Check all applicable)   |  |
| 200 PUBLIC SQUARE,Â SUITE 3300            |         |                                      | <input type="checkbox"/> Director                                      | <input type="checkbox"/> 10% Owner                   |
|   |         |                                      | <input checked="" type="checkbox"/> Officer                            | <input type="checkbox"/> Other                       |
|   |         |                                      | (give title below) (specify below)                                     |  |
|   |         |                                      | SVP, Global Business Dev.  |  |
|   |         |                                      | 6. Individual or Joint/Group Filing(Check Applicable Line)             |  |
|   |         |                                      | <input checked="" type="checkbox"/> Form filed by One Reporting Person |  |
|   |         |                                      | <input type="checkbox"/> Form filed by More than One Reporting Person  |  |

CLEVELAND,Â OHÂ 44114

(City) (State) (Zip)

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock                    | 8,561 <sup>(1)</sup>                                  | D  | Â   |
| Common Stock                    | 11,740 <sup>(2)</sup>                                 | I  | by VNQDC  |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

**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.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of | 5. Ownership Form of Derivative | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|------------------------------------|---------------------------------|---|
|--|--|---|------------------------------------|---------------------------------|---|

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| Date<br>Exercisable | Expiration<br>Date | Title | Amount or<br>Number of<br>Shares | Derivative<br>Security | Security:<br>Direct (D)<br>or Indirect<br>(I)<br>(Instr. 5) |
|---------------------|--------------------|-------|----------------------------------|------------------------|---|
|---------------------|--------------------|-------|----------------------------------|------------------------|---|

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                             |       |
|--|---------------|-----------|-----------------------------|-------|
|  | Director      | 10% Owner | Officer                     | Other |
| Smith Clifford T<br>200 PUBLIC SQUARE<br>SUITE 3300<br>CLEVELAND, OH 44114 | Â             | Â         | Â SVP, Global Business Dev. | Â     |

## Signatures

Clifford T.  
Smith 01/19/2011

\_\_Signature of Reporting Person Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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).
- Balance shown reflects 5,531 common shares held by the reporting owner and 540, 1,530, and 960 restricted share units granted to the
- (1) reporting person for the 2008-2010, 2009-2011 and 2010-2012 performance periods, respectively, pursuant to the Cliffs Natural Resources Inc. (the "Company") 2007 Incentive Equity Plan.
  - (2) Held for the benefit of the Reporting Person by the Company's 2005 Voluntary Non-Qualified Deferred Compensation Plan (VNQDC).

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.