

Paradie Terrance M  
Form 4  
May 10, 2010

**FORM 4**

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

Check this box  
if no longer  
subject to  
Section 16.  
Form 4 or  
Form 5  
obligations  
may continue.  
*See Instruction*  
1(b).

**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

## OMB APPROVAL

OMB  
Number: 3235-0287  
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(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Paradie Terrance M

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)

200 PUBLIC SQUARE, SUITE  
3300

3. Date of Earliest Transaction  
(Month/Day/Year)

05/07/2010

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

VP-Corp.Controller/CAO

(Street)

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

6. Individual or Joint/Group Filing(Check  
Applicable Line)  
\_\_X\_\_ Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting  
Person

CLEVELAND, OH 44114-2315

(City) (State) (Zip)

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

| 1. Title of<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3.<br>Transaction<br>Code<br>(Instr. 8) | 4. Securities Acquired<br>(A) or Disposed of (D)<br>(Instr. 3, 4 and 5) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form: Direct<br>(D) or<br>Indirect (I)<br>(Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |                      |                         |
|---------------------------------------|-----------------------------------------|-------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------|-------------------------|
|                                       |                                         |                                                             | Code                                    | V                                                                       | Amount                                                                                                             | (A)<br>or<br>(D)                                                     | Price                                                             |                      |                         |
| Common<br>Stock                       | 05/07/2010                              |                                                             | S                                       |                                                                         | 2,518                                                                                                              | D                                                                    | \$<br>55.13                                                       | 4,325                | D                       |
| Common<br>Stock                       |                                         |                                                             |                                         |                                                                         |                                                                                                                    |                                                                      |                                                                   | 5,501 <sup>(1)</sup> | I                       |
|                                       |                                         |                                                             |                                         |                                                                         |                                                                                                                    |                                                                      |                                                                   |                      | VNQDC<br><sup>(2)</sup> |

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  
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SEC 1474  
(9-02)

# Edgar Filing: Paradie Terrance M - Form 4

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

| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2. Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4. Transaction<br>Code<br>(Instr. 8) | 5. Number<br>of<br>Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D)<br>(Instr. 3,<br>4, and 5) | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) | 7. Title and<br>Amount of<br>Underlying<br>Securities<br>(Instr. 3 and 4) | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Nu<br>Deriv<br>Secur<br>Benef<br>Own<br>Follo<br>Repo<br>Trans<br>(Instr |
|-----------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------|
|                                                     |                                                                    |                                         |                                                             | Code                                 | V (A) (D)                                                                                                          | Date<br>Exercisable                                            | Expiration<br>Date                                                        | Title                                               | Amount<br>or<br>Number<br>of<br>Shares                                      |

## Reporting Owners

| Reporting Owner Name / Address                                                    | Relationships                    |
|-----------------------------------------------------------------------------------|----------------------------------|
|                                                                                   | Director 10% Owner Officer Other |
| Paradie Terrance M<br>200 PUBLIC SQUARE<br>SUITE 3300<br>CLEVELAND, OH 44114-2315 | VP-Corp.Controller/CAO           |

## Signatures

Traci Forrester by Power of Attorney 05/10/2010

\_\_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).

(1) Balance shown reflects 7 shares acquired March 1, 2010 pursuant to the dividend reinvestment feature of the Cliffs Natural Resources Inc. 2005 Voluntary Non-Qualified Deferred Compensation Plan ("VNQDC") to shareholders of record as of February 12, 2010.

(2) Held for the benefit of the Reporting Person by the VNQDC.

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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