

Mehan Richard R.  
Form 4  
September 11, 2009

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
Expires: January 31, 2005  
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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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Mehan Richard R.

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)  
LEVEL 12, THE QUADRANT, 1  
WILLIAM STREET  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
09/01/2009

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
SVP, Pres. & CEO Cliffs Asia-P

PERTH, C3 6000

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 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. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |     |       |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|-----|-------|
|                                 |                                      |  |                                | (A) or (D)  | Code  | V  | Amount                            | (D) | Price |

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 displays a currently valid OMB control number.**

SEC 1474 (9-02)

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

| 1. Title of Derivative | 2. Conversion | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if | 4. Transaction of Derivative | 5. Number of Derivative | 6. Date Exercisable and Expiration Date | 7. Title and Amount of Underlying Securities | 8. P |
|------------------------|---------------|--------------------------------------|-------------------------------|------------------------------|-------------------------|---|--|------|
|------------------------|---------------|--------------------------------------|-------------------------------|------------------------------|-------------------------|---|--|------|

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Security or Exercise any Code Securities (Month/Day/Year) (Instr. 3 and 4) Sec (Instr. 3) Price of Derivative Security (Month/Day/Year) (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)

Table with 11 columns: Code, V, (A), (D), Date Exercisable, Expiration Date, Title, Amount or Number of Shares. Row 1: Retention Units 2009-2011, (1), 09/01/2009, A, 1,425, (2), (2), Common Shares, 1,425.

Reporting Owners

Table with 2 columns: Reporting Owner Name / Address, Relationships. Row 1: Mehan Richard R., LEVEL 12, THE QUADRANT, 1 WILLIAM STREET, PERTH, C3 6000; Director, 10% Owner, Officer, SVP, Pres. & CEO Cliffs Asia-P, Other.

Signatures

George W. Hawk, Jr. by Power of Attorney 09/11/2009
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) Convertible into Common Shares on a 1-for-1 basis.
The number represents an additional grant of Retention Units to the Reporting Person by the Board of Directors of the Company under the Cliffs Natural Resources Inc. 2007 Incentive Equity Plan ("Plan") covering the period January 1, 2009 through December 31, 2011
(2) (Incentive Period). Payment of the Retention Units is made in cash after the completion of the Incentive Period based upon the employment by the Company of the Reporting Person and the market value of a Common Share of the Company on December 31, 2011 pursuant to the Plan.

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.