

Mee Terrence R  
 Form 3  
 February 07, 2011

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

OMB APPROVAL

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**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 Mee Terrence R			(Month/Day/Year)	CLIFFS NATURAL RESOURCES INC. [CLF]	
(Last)	(First)	(Middle)	01/27/2011	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
1100 SUPERIOR AVENUE,Â SUITE 1500				(Check all applicable)	
(Street)				<input type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
CLEVELAND,Â OHÂ 44114-2544				<input checked="" type="checkbox"/> Officer	<input type="checkbox"/> Other
(City)	(State)	(Zip)		(give title below) (specify below)	SVP Global Iron Ore & Metallic
					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

**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	10,652 <sup>(1)</sup>	D	Â
Common Stock	537 <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 Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)
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## Reporting Owners

Reporting Owner Name / Address	Relationships				Other
	Director	10% Owner	Officer		
Mee Terrence R 1100 SUPERIOR AVENUE SUITE 1500 CLEVELAND, OH 44114-2544	Â	Â	Â	SVP Global Iron Ore & Metallic	Â

## Signatures

Gina K. Gunning by Power of Attorney	02/07/2011
**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).
- (1) The total includes 6,972 directly held common shares and 600, 2050 and 1030 outstanding restricted share units from the 2008, 2009 and 2010 Performance Share grants, respectively, acquired pursuant to the Cliffs Natural Resources 2007 Incentive Equity Plan.
- (2) Held for the benefit of the Reporting Person by the Cliffs Natural Resources Inc. 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.