FORM	4
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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).

(Print or Type Pesponses)

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

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden hours per response... 0.5

SEC 1474 (9-02)

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Pe McFadden William Jay	2. Issuer Name an CLIFFS NATU [CLF]			<i>.</i> .		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director10% Owner 0ther (specify below) Other (specify below)				
(Last) (First) 1100 SUPERIOR AVENUE, 1	3. Date of Earliest 05/10/2011	Transactio	n (Me	onth/Day/	Year)	VP, Global Coal & A	Alt. Energy			
(Street) CLEVELAND, OH 44114	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			
(City) (State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
1.Title of Security (Instr. 3)	Date (Month/Day/Year)	Execution Date, if			4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or Amount (D) Price		of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
Common Stock	05/10/2011		F <u>(1)</u>		639	D	\$ 89.55	6,901	D	

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.

 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

(e.g., puts, calls, warrants, options, convertible securities)															
1. Title of	2.	3. Transaction	3A. Deemed	4.	5	5.		6. Date Exer	cisable	7. Tit	le and	8. Price of	9. Number of	10.	11. Nature
Derivative	Conversion	Date	Execution Date, if	Transactio	n N	Numb	er	and Expiration	on Date	Amou	unt of	Derivative	Derivative	Ownership	of Indirect
Security	or Exercise	(Month/Day/Year)	any	Code	0	of		(Month/Day	/Year)	Unde	rlying	Security	Securities	Form of	Beneficial
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Ι	Deriva	tive			Secur	rities	(Instr. 5)	Beneficially	Derivative	Ownership
	Derivative					Securi				(Instr	. 3 and		Owned	Security:	(Instr. 4)
	Security				A	Acquir	red			4)			Following	Direct (D)	
						A) or							1	or Indirect	
						Dispos							Transaction(s)	< / <	
					of (D)								(Instr. 4)	(Instr. 4)	
					(Instr. 3,										
					4, and 5)										
											Amount				
								Date	Expiration		or				
								Exercisable	1	Title	Number				
								Excicisable	Date		of				
				Code V	/ ((A)	(D)				Shares				

Reporting Owners

	Relationships								
Reporting Owner Name / Address	Director	10% Owner	Officer	Other					
McFadden William Jay 1100 SUPERIOR AVENUE 15TH FLOOR CLEVELAND, OH 44114			VP, Global Coal & Alt. Energy						

Signatures

 /s/ Gina K. Gunning by Power of Attorney
 05/11/2011

 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).
- (1) Surrender of shares in payment of tax liability incurred on May 10, 2011, the date of restricted stock vesting to the Reporting Person.

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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