Davisson William Form 4 May 13, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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response...

if no longer subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

Check this box

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * **Davisson William**

2. Issuer Name and Ticker or Trading Symbol

CF Industries Holdings, Inc. [CF]

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(City)

(Middle)

(Zip)

3. Date of Earliest Transaction

(Check all applicable)

(Month/Day/Year)

05/11/2011

X_ Director 10% Owner Officer (give title Other (specify below)

C/O CF INDUSTRIES HOLDINGS. INC.. 4 PARKWAY NORTH. SUITE 400

(First)

(Street)

(State)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

DEERFIELD, IL 60015

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 2. Transaction Date 2A. Deemed 1. Title of Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

729

5. Amount of Securities Beneficially (D) or Owned (Instr. 4) Following Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Indirect (I) Ownership (Instr. 4)

(A) or

Transaction(s) (Instr. 3 and 4)

Price Code V Amount (D)

Common

per share

Stock, par 05/11/2011 value \$0.01

Α

\$0 11,995

D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

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

1. Title of	2.	3. Transaction Date		4. T	5.	6. Date Exer		7. Titl		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D			int of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day	(Year)	Under	, ,	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	erivative		Securities		(Instr. 5)	Bene
	Derivative				Securities		(Instr. 3 and 4)			Owne	
	Security				Acquired	Acquired					Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)					(Instr	
					(Instr. 3,						(211512
						4, and 5)					
					4, and 3)						
									Amount		
						.	.		or		
						Date Exercisable	Expiration Date	Title	Number		
									of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Davisson William C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015



Signatures

/s/ Douglas C. Barnard, by power of attorney

05/13/2011

**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).

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.

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