CF Industries Holdings, Inc.

Form 4

August 12, 2015

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or

SECURITIES Form 5 obligations may continue.

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 See Instruction

2. Issuer Name and Ticker or Trading

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Barnard Douglas C

(Zip)

5. Relationship of Reporting Person(s) to Issuer

Symbol CF Industries Holdings, Inc. [CF]

(Check all applicable)

Sr.VP Gen. Counsel & Secretary

OMB

Number:

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OMB APPROVAL

3235-0287

January 31,

2005

0.5

(Last)

(First) (Middle) 3. Date of Earliest Transaction

4. If Amendment, Date Original

(Month/Day/Year) 08/10/2015

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

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

(Street)

(State)

SUITE 400

(City)

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

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

DEERFIELD, IL 60015

1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Form: Direct Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially (D) or Beneficial (Month/Day/Year) (Instr. 8) Owned Indirect (I) Ownership (Instr. 4) Following (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Price Code V Amount (D)

Common

stock, par 08/10/2015 F 2.084 46,921 (1) D value \$0.01

per share

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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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	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amour	nt of	Derivative	Deriv
	Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security	Secui
	(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
		Derivative			Securities Acquired				(Instr.	3 and 4)		Owne
		Security										Follo
		•				(A) or						Repo
						Disposed						Trans
					of (D) (Instr. 3,							(Instr
						4, and 5)						
										Amount		
										Amount		
							Exercisable Date	Expiration Date	Title	Or Numbar		
										Number		
					C-J- V	(A) (D)				of		
					Coue v	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address Other Director 10% Owner Officer

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

Sr.VP Gen. Counsel & Secretary

Signatures

/s/ Douglas C.

Barnard 08/12/2015

Date **Signature of Reporting Person

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).
- On June 17, 2015, the common stock of CF Industries Holdings, Inc. split 5-for-1, resulting in the reporting person's ownership of 39,204 additional shares of common stock.

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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