CF Industries Holdings, Inc.

Form 4

November 12, 2015

Check this box

if no longer

Section 16.

Form 4 or

subject to

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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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5
obligations
may continue.
See Instruction

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(b) of the Investment Company Act of 1940

Instruction 30(h) of the Investment Company Act of 1940

1(b).

per share

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading ARZBAECHER ROBERT C Issuer Symbol CF Industries Holdings, Inc. [CF] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner Officer (give title Other (specify C/O CF INDUSTRIES HOLDINGS. 11/12/2015 INC., 4 PARKWAY NORTH, SUITE 400 (Street) 4. If Amendment, Date Original 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 DEERFIELD, IL 60015

								1 CISOH		
(City)	(State) (Z	Zip) Table	I - Non-D)er	rivative Se	ecuriti	ies Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	on(4. Securiti (A) or Dis (D) (Instr. 3, 4	posed	of	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common			Code V	r	Amount	(D)	Price	(msu. 3 and 4)		
stock, par value \$0.01 per share	11/12/2015		G V	7 :	18,565	D	\$0	45,535 (1)	D	
Common Stock, par value \$0.01								2,375 <u>(2)</u>	I	By IRA

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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Titl	e and	8. Price of	9. Nu
Ι	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
S	Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Securi	ities	(Instr. 5)	Bene
		Derivative				Securities			(Instr.	3 and 4)		Owne
		Security		Acquired							Follo	
		•				(A) or						Repo
						Disposed						Trans
						of (D)						(Instr
						(Instr. 3,						
						4, and 5)						
										Amount		
										Amount		
							Date Exercisable	Expiration Date	little Nu			
										Number		
					~	,,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				of		
					Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

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

X

Signatures

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

11/12/2015

**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) On June 17, 2015, the common stock of CF Industries Holdings, Inc. split 5-for-1, resulting in the reporting person's ownership of 51,280 additional shares of common stock.
- (2) On June 17, 2015, the common stock of CF Industries Holdings, Inc. split 5-for-1, resulting in the reporting person's ownership of 1,900 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.

Reporting Owners 2