Will W Anthony Form 4 November 13, 2018

11/09/2018

OMB APPROVAL UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... 0.5 Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 1(b). (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 Will W Anthony Issuer Symbol CF Industries Holdings, Inc. [CF] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner Other (specify X_ Officer (give title C/O CF INDUSTRIES HOLDINGS. 11/09/2018 below) INC., 4 PARKWAY NORTH, President & CEO 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 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 7. Nature of 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired (A) 5. Amount of 6. Security (Month/Day/Year) Execution Date, if Transactionr Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned Direct (D) Ownership or Indirect Following (Instr. 4) Reported (I) (A) Transaction(s) (Instr. 4) or (Instr. 3 and 4) (D) Price Code V Amount Common stock, par 33,500 A value 11/09/2018 M 359,372 D \$0.01 per share Common stock, par value 11/09/2018 M 34,000 A 393,372 D 13 408 \$0.01 per share

M

37,000

Α

\$ 16.26 430,372

D

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Common stock, par value \$0.01 per share

Common stock, par value 11/09/2018 F 46,294 D \$52.22 384,078 D \$0.01 per share

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

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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 Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Ar Underlying Se (Instr. 3 and 4)
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title I
Employee Stock Option (right to buy)	\$ 16.406 (3)	11/09/2018		M	(11)	33,500	(3)	08/10/2019	Common Stock, par value \$0.01 per share
Employee Stock Option (right to buy)	\$ 13.408 (4)	11/09/2018		M		34,000	<u>(4)</u>	05/25/2020	Common Stock, par value \$0.01 per share
Employee Stock Option (right to buy)	\$ 16.26 (5)	11/09/2018		M		37,000	(5)	08/10/2020	Common Stock, par value \$0.01 per share
Phantom Stock	<u>(6)</u>	11/09/2018		I	1,563.953		<u>(6)</u>	<u>(6)</u>	Common Stock, par value \$0.01 per share

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Will W Anthony C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015

X President & CEO

Signatures

/s/ Douglas C.

Barnard 11/13/2018

**Signature of
Reporting Person

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

Date

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

The reporting person exercised three options in full as set forth in Table II and, in accordance with the terms of the 2009 Equity and Incentive Plan under which the options were granted, the reporting person elected to satisfy the aggregate exercise price and withholding

- (1) tax obligation associated with the exercise by (a) delivering cash from personal funds in the aggregate amount of \$895,124.69 and (b) the company withholding shares having a fair market value equal to the remaining exercise price and tax withholding obligation. As a result, the reporting person acquired 58,206 shares of stock (net of the shares withheld).
- Pursuant to the 2009 Equity and Incentive Plan, the fair market value of shares withheld to satisfy the exercise price and withholding (2) obligation was calculated as the closing reported sales price per share on the New York Stock Exchange on the exercise date (November 9, 2018).
- This employee stock option was last reported as covering 6,700 shares of common stock at an exercise price of \$82.03, but has been adjusted to reflect the 5-for-1 stock split that occurred on June 17, 2015. The option vested in three equal installments on August 10, 2010, 2011 and 2012.
- (4) This employee stock option was last reported as covering 6,800 shares of common stock at an exercise price of \$67.04, but has been adjusted to reflect the 5-for-1 stock split that occurred on June 17, 2015. The option vested on May 25, 2013.
- This employee stock option was last reported as covering 7,400 shares of common stock at an exercise price of \$81.30, but has been adjusted to reflect the 5-for-1 stock split that occurred on June 17, 2015. The option vested in three equal installments on August 10, 2011, 2012 and 2013.
- Each share of phantom stock is the economic equivalent of one share of CF Industries Holdings, Inc. common stock. Shares of phantom (6) stock are payable in cash following the reporting person's termination of employment with CF Industries Holdings, Inc. and may be transferred by the reporting person into an alternative investment account in accordance with the terms of the plan.

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 3