Hall Adam L Form 4 August 10, 2018

FORM 4

OMB APPROVAL OMB

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

3235-0287 Number:

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

January 31, Expires: 2005

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

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obligations

(Print or Type Responses)

(Time of Type It	esponses)						
1. Name and Address of Reporting Person * Hall Adam L			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	(Middle)	CF Industries Holdings, Inc. [CF] 3. Date of Earliest Transaction	(Check all applicable)			
(Last)	(Prist)	(Middle)	(Month/Day/Year)	Director 10% Owner			
C/O CF INDUSTRIES HOLDINGS, INC., 4 PARKWAY NORTH, SUITE 400			08/08/2018	X Officer (give title Other (specibelow) below) VP, Corporate Development			
201111 100	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			

Applicable Line) _X_ Form filed by One Reporting Person

Filed(Month/Day/Year)

Form filed by More than One Reporting

DEERFIELD, IL 6001	5
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(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned							
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 8)	(A) or			Beneficially Form: Owned Direct Following or Ind Reported (I)	Ownership Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common stock, par value \$0.01 per share	08/08/2018		Code V M	Amount 14,550	(D)	Price \$ 36.2	38,576	D	
Common stock, par value \$0.01 per share	08/08/2018		M	5,706	A	\$ 30.95	44,282	D	
	08/08/2018		S	20,256	D		24,026	D	

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Common	\$
stock, par	48.5876
value	<u>(1)</u>
\$0.01 per	
share	

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

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(9-02)

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 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 Derivative Expiration Da Securities (Month/Day/ Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 36.2	08/08/2018		M	14,550	<u>(2)</u>	07/23/2023	Common Stock, par value \$0.01 per share	14,550
Employee Stock Option (right to buy)	\$ 30.95	08/08/2018		M	5,706	(3)	03/03/2027	Common Stock, par value \$0.01 per share	5,706

Reporting Owners

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

Hall Adam L C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015

VP, Corporate Development

2 Reporting Owners

Signatures

/s/ Douglas C. Barnard, by power of attorney 08/10/2018

**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).
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$48.535 to \$48.695, inclusive. The reporting person undertakes to provide to CF Industries Holdings, Inc., any security holder of CF Industries Holdings, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within that range.
- (2) The options vested in three equal installments on July 23, 2014, 2015, and 2016.
- (3) The options vest in three equal installments on March 03, 2018, 2019, and 2020.

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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