CF Industries Holdings, Inc.

Form 4

November 12, 2015

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 Koch Philipp P Issuer Symbol CF Industries Holdings, Inc. [CF] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify C/O CF INDUSTRIES HOLDINGS. 11/11/2015 below) below) INC.. 4 PARKWAY NORTH. Sr. VP, Manufacturing 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 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired (A) 5. Amount of 6. 7. Nature of 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) Owned Direct (D) (Instr. 8) 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 \$ P 46.976 value 11/11/2015 10,000 A 72,567 D (1) \$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)

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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 Exer	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amount of		Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	B) Derivative			Securities		(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	and 4)		Owne
	Security				Acquired					Follo	
	(A) or Disposed									Repo	
									Trans		
					of (D)						(Instr
					(Instr. 3, 4, and 5)						
								Δ	mount		
						Date Expiratio		Title N	ı Iumber		
						Exercisable	Date	01			
				Code V	(A) (D)				hares		

Reporting Owners

Relationships Reporting Owner Name / Address

> 10% Owner Officer Other Director

Koch Philipp P C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015

Sr. VP, Manufacturing

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).

The price reported in Column 4 is a weighted average price. These shares were purchased in multiple transactions at prices ranging from \$46.91 to \$46.999, inclusive. The reporting person undertakes to provide to CF Industries Holdings, Inc., any security holder of CF **(1)** Industries Holdings, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares purchased at each separate price within that range.

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