CF Industries Holdings, Inc.

Form 4

August 14, 2013

FORM 4

subject to

Section 16.

Form 4 or

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 Check this box if no longer

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

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 * Jablow Spertus Wendy S

2. Issuer Name and Ticker or Trading Symbol

CF Industries Holdings, Inc. [CF]

(First) (Middle) (Last)

3. Date of Earliest Transaction

08/12/2013

C/O CF INDUSTRIES HOLDINGS. INC.. 4 PARKWAY NORTH. SUITE 400

(Street)

(Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify below) Sr. VP, Human Resources

Issuer

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

5. Relationship of Reporting Person(s) to

(Check all applicable)

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

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially (D) or Owned (Instr. 4) Following Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Indirect (I) Ownership (Instr. 4)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Transaction(s) or (Instr. 3 and 4) Price Code V Amount (D)

(A)

Common

per share

stock, par 08/12/2013 value \$0.01

840 Α

\$0

D

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

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1

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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 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. Transactic Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		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)	\$ 190.12	08/12/2013		A	4,440	<u>(1)</u>	08/12/2023	Common stock, par value \$0.01 per share	4,440

Reporting Owners

Reporting Owner Name / Address	Relationships					
• 0	Director	10% Owner	Officer	Other		
Jablow Spertus Wendy S C/O CF INDUSTRIES HOLDINGS, INC. 4 PARKWAY NORTH, SUITE 400 DEERFIELD, IL 60015			Sr. VP, Human Resources			

Signatures

/s/ Douglas C. Barnard, by power of attorney 08/14/2013

**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) The options vest in three equal installments on August 12, 2014, 2015, and 2016.

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